



ikinetics Technology

2026 CATALOG

INDUSTRIAL ETHERNET TRANSMISSION AND SWITCHING PRODUCTS

SOLUTIONS DESIGNED TO LAST

ABOUT US

Established in 2017 by industry professionals, **Vikings Technology** has rapidly evolved into a globally recognized provider of industrial transmission and switching solutions. With international expansion beginning in 2020 through a European sales office in Lithuania, and further strengthened by the opening of a regional sales office in Singapore in 2022, our reach now spans a wide range of industries and markets worldwide.

We specialize in high reliability industrial grade **Fiber Media Converters**, managed and unmanaged **Ethernet Switches**, **PoE products**, as well as long-range **Fiber Extenders**, engineered for mission-critical applications across security systems, intelligent transportation, aviation infrastructure, and industrial automation, where consistent Ethernet performance and uptime are paramount.

At **Vikings Technology**, we are committed to producing innovative, high-quality products that adapt to changing market needs and are built to last. Our ISO9001 certified manufacturing processes and stringent quality control ensure every product meets the highest standards.



ikings Technology

CONTENTS

MEDIA CONVERTERS

MCF-D5 series	Industrial Ethernet media converter 100Mbps, 30W/90W PoE++	5
MCG-D5 series	Industrial Ethernet media converter 1Gbps, 30W/90W PoE++	8
MCF-S6 series	Commercial Ethernet media converter 100Mbps, PoE	11
MCG-S6 series	Commercial Ethernet media converter 1Gbps, PoE	14
MCG-S1 series	Ultra small Ethernet media converter with inbuilt fiber module	17
MCG-S2 series	Ultra small Ethernet media converter with SFP slot	20
MCC-D4 series	Industrial Ethernet media converter with Contact Closure signal transmission	22
MCF/MCG-C1 series	Card Ethernet media converters 100Mbps and 1Gbps versions	24

UNMANAGED INDUSTRIAL ETHERNET SWITCHES

SUG210-D5 series	Unmanaged Industrial Ethernet switch 2xRJ45 + 1xSFP, 30W/90W PoE++	27
SUG220-D6 series	Unmanaged Industrial Ethernet switch 2xRJ45 + 2xSFP, PoE	29
SUG410-D1 series	Unmanaged Industrial Ethernet switch 4xRJ45 + 1xSFP, PoE	31
SUG420-D1 series	Unmanaged Industrial Ethernet switch 4xRJ45 + 2xSFP, PoE	33
SUG500-D5 series	Unmanaged Industrial Ethernet switch 5xRJ45, PoE	35
SUG500P90-D5	PoE powered Unmanaged Industrial Ethernet switch 5xRJ45	37
SUG510-D1 series	Unmanaged Industrial Ethernet switch 5xRJ45 + 1xSFP, PoE	39
SUG800-D7 series	Unmanaged Industrial Ethernet switch 8xRJ45, PoE	41
SUG820-D2 series	Unmanaged Industrial Ethernet switch 8xRJ45 + 2xSFP, PoE	43
SUG1620-D3 series	Unmanaged Industrial Ethernet switch 16xRJ45 + 2xSFP, PoE	45

UNMANAGED COMMERCIAL ETHERNET SWITCHES

SUF600CP-S8	Unmanaged Commercial Ethernet switch 4xRJ45 PoE + 2xRJ45	47
SUF1010CP-S8	Unmanaged Commercial Ethernet switch 8xRJ45 PoE + 2xRJ45 + 1xSFP	49
SUF1810CP-S9	Unmanaged Commercial Ethernet switch 16xRJ45 PoE + 2xRJ45 + 1xSFP	51
SUF2620CP-1U	Unmanaged Commercial Ethernet switch 24xRJ45 PoE + 2xRJ45 + 2xSFP	53
SUG420CP-S8	Unmanaged Commercial Ethernet switch 4xRJ45 PoE + 2xSFP	55
SUG1020CP-S8	Unmanaged Commercial Ethernet switch 8xRJ45 PoE + 2xRJ45 + 2xSFP	57
SUG1810CP-S9	Unmanaged Commercial Ethernet switch 16xRJ45 PoE + 2xRJ45 + 1xSFP	59
SUG2620CP-1U	Unmanaged Commercial Ethernet switch 24xRJ45 PoE + 2xRJ45 + 2xSFP	61

MANAGED INDUSTRIAL ETHERNET SWITCHES

SMG410-D1 series	Managed L2 Industrial Ethernet switch 4xRJ45 + 1xSFP, PoE	63
SMG420-D1 series	Managed L2 Industrial Ethernet switch 4xRJ45 + 2xSFP, PoE	66
SMG820-D2 series	Managed L2 Industrial Ethernet switch 8xRJ45 + 2xSFP, PoE	69
SMG820-D3 series	Managed L2+ Industrial Ethernet switch 8xRJ45 + 2xSFP, PoE++	72
SMG840-D3 series	Managed L2+ Industrial Ethernet switch 8xRJ45 + 4xSFP, PoE++	75
SMG840-D3-BP	Managed L2+ Industrial Fiber Bypass Ethernet switch 8xRJ45 + 4xSFP, PoE++	78
SMG840-D3-BP2	Managed L2+ Industrial Fiber Bypass Ethernet switch 8xRJ45 + 4xSFP, PoE++	81
SMG1620-D3 series	Managed L2+ Industrial Ethernet switch 16xRJ45 + 2xSFP, PoE	84
SMG2440-1U series	Managed L2+ Industrial Ethernet switch 24xRJ45 + 4xSFP, PoE++	87
SMG1648-1U series	Managed L2+ Industrial Ethernet switch 16xRJ45 + 4xSFP + 8xcombo, PoE++	90
SMG0208-1U series	Managed L2+ Industrial Ethernet switch 20xSFP + 8xcombo	93
SMX820-D3 series	Managed L2+ Industrial Ethernet switch 8xRJ45 + 2x10G SFP, PoE	96
SMX840-D3 series	Managed L2+ Industrial Ethernet switch 8xRJ45 + 4x10G SFP, PoE	99
SMX1620-D3 series	Managed L2+ Industrial Ethernet switch 16xRJ45 + 2x10G SFP, PoE	102
SMX2440-1U series	Managed L2+ Industrial Ethernet switch 24xRJ45 + 4x10G SFP, PoE++	105
SMX1648-1U series	Managed L2+ Industrial Ethernet switch 16xRJ45 + 4x10G SFP + 8xcombo, PoE++	108
SMX0208-1U series	Managed L2+ Industrial Ethernet switch 16xSFP + 4x10G SFP + 8xcombo	111

MANAGED COMMERCIAL ETHERNET SWITCHES

SMG2440C-1U series	Managed L2+ Ethernet switch 24xRJ45 + 4xSFP, PoE	114
SMG1648C-1U series	Managed L2+ Ethernet switch 16xRJ45 + 4xSFP + 8xcombo, PoE	117
SMG0208C-1U series	Managed L2+ Ethernet switch 20xSFP + 8xcombo	120
SMX2440C-1U series	Managed L2+ Ethernet switch 24xRJ45 + 4x10G SFP, PoE	123
SMX1648C-1U series	Managed L2+ Ethernet switch 16xRJ45 + 4x10G SFP + 8xcombo, PoE	126
SMX0208C-1U series	Managed L2+ Ethernet switch 16xSFP + 4x10G SFP + 8xcombo	129
SMX4840C-1U series	Managed L2+ Ethernet switch 48xRJ45 + 4x10G SFP, PoE	132
SMX0520C-1U series	Managed L2+ Ethernet switch 48xSFP + 4x10G SFP	135

MISCELLANEOUS

INGP-D5 series	Industrial Ethernet PoE injectors 2xRJ45, 30/90W PoE++	138
SPGP90-D5 series	Industrial Ethernet 90W PoE++ splitters 2xRJ45, 5/12/24VDC output	140
SUG300P90-S11	Weatherproof Industrial PoE++ extender, 1xRJ45 in, 2xRJ45 out	142

ACCESSORIES

SFP modules	Industrial SFP modules SM/MM, LC/SC, 100Mbps/1Gbps/10Gbps	144
Power Supplies	Industrial Din-Rail power supplies	146
RM-D1	Rack Mount Din-Rail Panel	147
RM-S6	Rack Mount chassis for S6 type (non-PoE) converters	148
RM-C1	Rack Mount chassis for C1 card type converters	149
Warranty Policy		150

KEY FEATURES

- 1*10/100Base-TX to 1*100Base-X SFP or fiber module inbuilt
- PoE version up to 90W output, meeting IEEE802.3af/at/bt standards
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Operating temperature from -40°C to +75°C
- Wide range & Redundant power inputs (non-PoE & 30W PoE)
- Power boost
- Metal case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The MCF-D5 series Industrial grade Ethernet Media Converters are designed to transmit and receive 10/100Mbps data over optical fiber through user selectable SFP module or fiber module inbuilt options. The PoE versions, meeting the IEEE802.3af/at/bt standards, provides PoE++ as Power Sourcing Equipment (PSE) up to 90W. Housed in rugged metal Din-rail or wall-mountable enclosure, no fan design with extreme temperatures operation and redundant power inputs, makes those media converters a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	MCF-D5	MCFP-D5	MCFP90-D5
Ports			
RJ45 ports and speed	1 * 10/100Base-TX		
Fiber ports and speed	1 * 100Base-X SFP or fiber module inbuilt		
Fiber Type, Connectors Max distance	For SFP slot refer to SFP module specifications For fiber module inbuilt – Singlemode or Multimode, Single or Dual fibers, SC or ST connectors, 2 or 20km transmission distance – see Fiber module inbuilt options tab		
Ethernet			
Processing type	Store and Forward		
Switching Bandwidth	2Gbps		
Max Packet Length	9K		
Packet Buffer	1M		
MAC Address Table	2K		
PoE	Not supported	IEEE802.3af/at Max output 30W	IEEE802.3af/at/bt Max output 90W
Standards	IEEE802.3, IEEE802.3u		

Model	MCF-D5	MCFP-D5	MCFP90-D5
Environmental			
Operating Temperature	-40°C ~ +75°C		
Storage Temperature	-40°C ~ +85°C		
Relative Humidity	0 ~ 90% non-condensing		
MTBF	480.000h		
Electrical and Physical			
Power Input	Redundant 12-48VDC		Redundant 48-57VDC
Max Power consumption	5W	35W (5W without PoE)	95W (5W without PoE)
Cooling	Natural cooling, no fan design		
Dimensions (H * D * W)	95 * 70 * 30mm		
Weight	~250g		
Mounting	Din-rail / Wallmount		
Certification			
Standards	Surge protection for power ports: 6KV (EN 61000-4-5)		
	Surge protection for Ethernet ports: 6KV (EN 61000-4-5)		
	Vibration: IEC 60068-2-6:2007		
	Shock: IEC 60068-2-27:2008		
	Free fall: IEC 60068-2-32:1975		
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
FCC Part 15, Subpart B:2016, ANSI C63.4:2014			
RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102			

ORDERING INFORMATION

Model name	Description
MCF-D5	Industrial Ethernet media converter 1*10/100Base-TX RJ45 to 1*100Base-X SFP, redundant 12-48VDC inputs, Din-Rail
MCF-D5-xyz*	Industrial Ethernet media converter 1*10/100Base-TX RJ45 to 1*100Base-X fiber module inbuilt, redundant 12-48VDC inputs, Din-Rail
MCFP-D5	Industrial Ethernet media converter 1*10/100Base-TX RJ45 PoE to 1*100Base-X SFP, redundant 12-48VDC inputs, Din-Rail
MCFP-D5-xyz*	Industrial Ethernet media converter 1*10/100Base-TX RJ45 PoE to 1*100Base-X fiber module inbuilt, redundant 12-48VDC inputs, Din-Rail
MCFP90-D5	Industrial Ethernet media converter 1*10/100Base-TX RJ45 90W PoE to 1*100Base-X SFP, redundant 48-57VDC inputs, Din-Rail
MCFP90-D5-xyz*	Industrial Ethernet media converter 1*10/100Base-TX RJ45 90W PoE to 1*100Base-X fiber module inbuilt, redundant 48-57VDC inputs, Din-Rail

Power supply is not included and to be purchased separately

For MCF-D5, MCFP-D5 and MCFP90-D5 models - SFP module is not included and to be purchased separately

-xyz* fiber module inbuilt options in following tab

FIBER MODULE INBUILT OPTIONS

-xyz* replaced by:	Fiber type	Fiber count	Wavelength, nm	Fiber Connectors	Max Distance
-MC	Multi Mode	2	1310	Dual SC	2km
-MCA	Multi Mode	1	1310 Tx / 1550 Rx	Single SC	2km
-MCB	Multi Mode	1	1550 Tx / 1310 Rx	Single SC	2km
-SC	Single Mode	2	1310	Dual SC	20km
-SCA	Single Mode	1	1310 Tx / 1550 Rx	Single SC	20km
-SCB	Single Mode	1	1550 Tx / 1310 Rx	Single SC	20km
-MT	Multi Mode	2	1310	Dual ST	2km
-MTA	Multi Mode	1	1310 Tx / 1550 Rx	Single ST	2km
-MTB	Multi Mode	1	1550 Tx / 1310 Rx	Single ST	2km
-ST	Single Mode	2	1310	Dual ST	20km
-STA	Single Mode	1	1310 Tx / 1550 Rx	Single ST	20km
-STB	Single Mode	1	1550 Tx / 1310 Rx	Single ST	20km

For example: **MCFP-D5-SC** Industrial Ethernet media converter 1*10/100Base-TX RJ45 PoE to 1*100Base-X fiber module inbuilt - Single mode, 1310nm, dual SC connectors, 20km, redundant 12-48VDC inputs, Din-Rail

KEY FEATURES

- 1*10/100/1000Base-TX to 1*100/1000Base-X SFP
- SFP port with auto speed detection function
- PoE version up to 90W output, meeting IEEE802.3af/at/bt standards
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Operating temperature from -40°C to +75°C
- Wide range & Redundant power inputs (non-PoE & 30W PoE)
- Power boost
- Metal case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The MCG-D5 series Industrial grade Ethernet Media Converters are designed to transmit and receive 10/100/1000Mbps data over optical fiber through user selectable SFP module options. The SFP port auto detects 100Base-FX and 1000Base-X SFP modules, which makes this unit universal for 100Mbps and 1Gbps fiber networks. The PoE versions, meeting the IEEE802.3af/at/bt standards, provides PoE++ as Power Sourcing Equipment (PSE) up to 90W. Housed in rugged metal Din-rail or wall-mountable enclosure, no fan design with extreme temperatures operation and redundant power inputs, makes those media converters a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	MCG-D5	MCGP-D5	MCGP90-D5
Ports			
RJ45 ports and speed	1 * 10/100/1000Base-TX		
Fiber ports and speed	1 * 100/1000Base-X SFP or fiber module inbuilt*		
Ethernet			
Processing type	Store and Forward		
Switching Bandwidth	4Gbps		
Max Packet Length	9K		
Packet Buffer	1M		
MAC Address Table	2K		
PoE	Not supported	IEEE802.3af/at Max output 30W	IEEE802.3af/at/bt Max output 90W
Standards	IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3ab		

Model	MCG-D5	MCGP-D5	MCGP90-D5
Environmental			
Operating Temperature	-40°C ~ +75°C		
Storage Temperature	-40°C ~ +85°C		
Relative Humidity	0 ~ 90% non-condensing		
MTBF	480.000h		
Electrical and Physical			
Power Input	Redundant 12-48VDC		Redundant 48-57VDC
Max Power consumption	5W	35W	95W
Cooling	Natural cooling, no fan design		
Dimensions (H * D * W)	95 * 70 * 30mm		
Weight	~250g		
Mounting	Din-rail / Wallmount		
Certification			
Standards	Surge protection for power ports: 6KV (EN 61000-4-5)		
	Surge protection for Ethernet ports: 6KV (EN 61000-4-5)		
	Vibration: IEC 60068-2-6:2007		
	Shock: IEC 60068-2-27:2008		
	Free fall: IEC 60068-2-32:1975		
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
	FCC Part 15, Subpart B:2016, ANSI C63.4:2014		
	RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102		

ORDERING INFORMATION

Model name	Description
MCG-D5	Industrial Ethernet media converter 1*10/100/1000Base-TX RJ45 to 1*100/1000Base-X SFP, redundant 12-48VDC inputs, Din-Rail
MCG-D5-xyz*	Industrial Ethernet media converter 1*10/100/1000Base-TX RJ45 to 1*100/1000Base-X fiber module inbuilt, redundant 12-48VDC inputs, Din-Rail
MCGP-D5	Industrial Ethernet media converter 1*10/100/1000Base-TX RJ45 PoE to 1*100/1000Base-X SFP, redundant 12-48VDC inputs, Din-Rail
MCGP-D5-xyz*	Industrial Ethernet media converter 1*10/100/1000Base-TX RJ45 PoE to 1*100/1000Base-X fiber module inbuilt, redundant 12-48VDC inputs, Din-Rail
MCGP90-D5	Industrial Ethernet media converter 1*10/100/1000Base-TX RJ45 90W PoE to 1*100/1000Base-X SFP, redundant 48-57VDC inputs, Din-Rail
MCGP90-D5-xyz*	Industrial Ethernet media converter 1*10/100/1000Base-TX RJ45 90W PoE to 1*100/1000Base-X fiber module inbuilt, redundant 48-57VDC inputs, Din-Rail

Power supply is not included and to be purchased separately

For MCG-D5, MCGP-D5 and MCGP90-D5 models - SFP module is not included and to be purchased separately

-xyz* fiber module inbuilt options in following tab

FIBER MODULE INBUILT OPTIONS

-xyz* replaced by:	Fiber type	Fiber count	Wavelength, nm	Fiber Connectors	Max Distance
-MC	Multi Mode	2	1310	Dual SC	1km
-MCA	Multi Mode	1	1310 Tx / 1550 Rx	Single SC	1km
-MCB	Multi Mode	1	1550 Tx / 1310 Rx	Single SC	1km
-SC	Single Mode	2	1310	Dual SC	20km
-SCA	Single Mode	1	1310 Tx / 1550 Rx	Single SC	20km
-SCB	Single Mode	1	1550 Tx / 1310 Rx	Single SC	20km
-MT	Multi Mode	2	1310	Dual ST	1km
-MTA	Multi Mode	1	1310 Tx / 1550 Rx	Single ST	1km
-MTB	Multi Mode	1	1550 Tx / 1310 Rx	Single ST	1km
-ST	Single Mode	2	1310	Dual ST	20km
-STA	Single Mode	1	1310 Tx / 1550 Rx	Single ST	20km
-STB	Single Mode	1	1550 Tx / 1310 Rx	Single ST	20km

For example: **MCGP-D5-SC** Industrial Ethernet media converter 1*10/100/1000Base-TX RJ45 PoE to 1*1000Base-X fiber module inbuilt - Single mode, 1310nm, dual SC connectors, 20km, redundant 12-48VDC inputs, Din-Rail

KEY FEATURES

- 1*10/100Base-TX to 1*100Base-FX
- Options with SFP slot and fiber module inbuilt available
- Wide selection of inbuilt fiber modules: Singlemode or Multimode, Single or Dual fibers, SC or ST connectors
- PoE version with up to 30W output, meeting IEEE802.3af/at standards
- Robust Metal case, no fan design
- Can be used as standalone or mounted in RM-S6 Chassis
- Plug & Play - no configuration required
- Operating temperature from -10°C to +60°C
- Power Adaptor included
- 3 years warranty



INTRODUCTION

The MCF-S6 series Ethernet Media Converters are designed to transmit and receive 10/100Mbps data over optical fiber. Wide selection of inbuilt fiber modules available: Singlemode or Multimode, Single or Dual fibers, with SC or ST connectors. The PoE version, meeting the IEEE802.3af/at standards, provides PoE+ as Power Sourcing Equipment (PoE/PSE) up to 30W on it's RJ45 port. Unit housed in metal enclosure can be used as standalone or mounted in RM-S6 Rack Mount Chassis. Up to 14 such converters installed in RM-S6 Rack Mount Chassis with dual power supplies, provides convenient, space saving and stable Ethernet conversion at your Control Room end.

SPECIFICATIONS

Model	MCF-S6 series	MCFP-S6 series
Ports		
RJ45 ports and speed	1 * 10/100Base-TX	
Fiber ports and speed	1 * 100Base-FX SFP or fiber module inbuilt	
Fiber Type, Connectors Max distance	For SFP slot refer to SFP module specifications For fiber inbuilt – Singlemode or Multimode, Single or Dual fibers, SC or ST connectors, 2 or 20km transmission distance – see Ordering Information tab	
Ethernet		
Processing type	Store and Forward	
Switching Bandwidth	1Gbps	
Packet Buffer	768K	
MAC Address Table	1K	
PoE	Not supported	IEEE802.3af/at Max output 30W
Standards	IEEE802.3, IEEE802.3u	

Model	MCF-S6 series	MCFP-S6 series
Environmental		
Operating Temperature	-10°C ~ +60°C	
Storage Temperature	-40°C ~ +85°C	
Relative Humidity	0 ~ 90% non-condensing	
MTBF	410.000h	
Electrical and Physical		
Power Input	5VDC	52VDC
Max Power consumption	3W	33W
Dimensions (H * D * W)	26 * 70 * 95mm	
Weight	~250g	
Mounting	Standalone or mounted in RM-S6 Rack Mount Chassis (up to 14 converters)	Standalone
Certification		
Standards	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020 EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01 EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023 CE 2014/35/EU LVD, EN IEC 62368-1:2024 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102	

ORDERING INFORMATION

Model Name	PoE	Fiber type	Fiber count	Wavelength, nm	Connector	Distance
MCF-S6	-	SFP	-	-	-	-
MCF-S6-MC	-	Multi Mode	2	1310	SC	2km
MCF-S6-MCA	-	Multi Mode	1	1310 Tx / 1550 Rx	SC	2km
MCF-S6-MCB	-	Multi Mode	1	1550 Tx / 1310 Rx	SC	2km
MCF-S6-SC	-	Single Mode	2	1310	SC	20km
MCF-S6-SCA	-	Single Mode	1	1310 Tx / 1550 Rx	SC	20km
MCF-S6-SCB	-	Single Mode	1	1550 Tx / 1310 Rx	SC	20km

ORDERING INFORMATION (CONTINUE)

Model Name	PoE	Fiber type	Fiber count	Wavelength, nm	Connector	Distance
MCF-S6-MT	-	Multi Mode	2	1310	ST	2km
MCF-S6-MTA	-	Multi Mode	1	1310 Tx / 1550 Rx	ST	2km
MCF-S6-MTB	-	Multi Mode	1	1550 Tx / 1310 Rx	ST	2km
MCF-S6-ST	-	Single Mode	2	1310	ST	20km
MCF-S6-STA	-	Single Mode	1	1310 Tx / 1550 Rx	ST	20km
MCF-S6-STB	-	Single Mode	1	1550 Tx / 1310 Rx	ST	20km
MCFP-S6	Yes	SFP	-	-	-	-
MCFP-S6-MC	Yes	Multi Mode	2	1310	SC	2km
MCFP-S6-MCA	Yes	Multi Mode	1	1310 Tx / 1550 Rx	SC	2km
MCFP-S6-MCB	Yes	Multi Mode	1	1550 Tx / 1310 Rx	SC	2km
MCFP-S6-SC	Yes	Single Mode	2	1310	SC	20km
MCFP-S6-SCA	Yes	Single Mode	1	1310 Tx / 1550 Rx	SC	20km
MCFP-S6-SCB	Yes	Single Mode	1	1550 Tx / 1310 Rx	SC	20km
MCFP-S6-MT	Yes	Multi Mode	2	1310	ST	2km
MCFP-S6-MTA	Yes	Multi Mode	1	1310 Tx / 1550 Rx	ST	2km
MCFP-S6-MTB	Yes	Multi Mode	1	1550 Tx / 1310 Rx	ST	2km
MCFP-S6-ST	Yes	Single Mode	2	1310	ST	20km
MCFP-S6-STA	Yes	Single Mode	1	1310 Tx / 1550 Rx	ST	20km
MCFP-S6-STB	Yes	Single Mode	1	1550 Tx / 1310 Rx	ST	20km

OTHER

5VDC Power Adaptor is included with non-PoE converters

52VDC Power Adaptor is included with PoE converters

For MCF-S6 and MCFP-S6 converters, SFP module is not included and to be purchased separately



Vikings Technology Co. Ltd.

www.vikingstechnology.com

sales@vikingstechnology.com

Last update 2025 March. Product specifications and availability are subject to change without further notice



MCG-S6 series

Gigabit Ethernet Media Converter

KEY FEATURES

- 1*10/100/1000Base-TX to 1*1000Base-FX
- Options with SFP slot and fiber module inbuilt available
- Wide selection of inbuilt fiber modules: Singlemode or Multimode, Single or Dual fibers, SC or ST connectors
- PoE version with up to 30W output, meeting IEEE802.3af/at standards
- Robust Metal case, no fan design
- Can be used as standalone or mounted in RM-S6 Chassis
- Plug & Play - no configuration required
- Operating temperature from -10°C to +60°C
- Power Adaptor included
- 3 years warranty



INTRODUCTION

The MCG-S6 series Gigabit Ethernet Media Converters are designed to transmit and receive 10/100/1000Mbps data over optical fiber. Wide selection of inbuilt fiber modules available: Singlemode or Multimode, Single or Dual fibers, with SC or ST connectors. The PoE version, meeting the IEEE802.3af/at standards, provides PoE+ as Power Sourcing Equipment (PoE/PSE) up to 30W on it's RJ45 port. Unit housed in metal enclosure can be used as standalone or mounted in RM-S6 Rack Mount Chassis (only non-PoE version). Up to 14 such converters installed in RM-S6 Rack Mount Chassis with dual power supplies, provides convenient, space saving and stable Ethernet conversion at your Control Room end.

SPECIFICATIONS

Model	MCG-S6 series	MCGP-S6 series
Ports		
RJ45 ports and speed	1 * 10/100/1000Base-TX	
Fiber ports and speed	1 * 1000Base-FX SFP or fiber module inbuilt	
Fiber Type, Connectors Max distance	For SFP slot refer to SFP module specifications For fiber inbuilt – Singlemode or Multimode, Single or Dual fibers, SC or ST connectors, 1 or 20km transmission distance – see Ordering Information tab	
Ethernet		
Processing type	Store and Forward	
Switching Bandwidth	2Gbps	
Packet Buffer	1M	
MAC Address Table	2K	
PoE	Not supported	IEEE802.3af/at Max output 30W
Standards	IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3ab	

Model	MCG-S6 series	MCGP-S6 series
Environmental		
Operating Temperature	-10°C ~ +60°C	
Storage Temperature	-40°C ~ +85°C	
Relative Humidity	0 ~ 90% non-condensing	
MTBF	410.000h	
Electrical and Physical		
Power Input	5VDC	52VDC
Max Power consumption	3W	33W
Dimensions (H * D * W)	26 * 70 * 95mm	
Weight	~250g	
Mounting	Standalone or mounted in RM-S6 Rack Mount Chassis (up to 14 converters)	Standalone
Certification		
Standards	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020 EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01 EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023 CE 2014/35/EU LVD, EN IEC 62368-1:2024 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102	

ORDERING INFORMATION

Model Name	PoE	Fiber type	Fiber count	Wavelength, nm	Connector	Distance
MCG-S6	-	SFP	-	-	-	-
MCG-S6-MC	-	Multi Mode	2	1310	SC	1km
MCG-S6-MCA	-	Multi Mode	1	1310 Tx / 1550 Rx	SC	1km
MCG-S6-MCB	-	Multi Mode	1	1550 Tx / 1310 Rx	SC	1km
MCG-S6-SC	-	Single Mode	2	1310	SC	20km
MCG-S6-SCA	-	Single Mode	1	1310 Tx / 1550 Rx	SC	20km
MCG-S6-SCB	-	Single Mode	1	1550 Tx / 1310 Rx	SC	20km

ORDERING INFORMATION (CONTINUE)

Model Name	PoE	Fiber type	Fiber count	Wavelength, nm	Connector	Distance
MCG-S6-MT	-	Multi Mode	2	1310	ST	1km
MCG-S6-MTA	-	Multi Mode	1	1310 Tx / 1550 Rx	ST	1km
MCG-S6-MTB	-	Multi Mode	1	1550 Tx / 1310 Rx	ST	1km
MCG-S6-ST	-	Single Mode	2	1310	ST	20km
MCG-S6-STA	-	Single Mode	1	1310 Tx / 1550 Rx	ST	20km
MCG-S6-STB	-	Single Mode	1	1550 Tx / 1310 Rx	ST	20km
MCGP-S6	Yes	SFP	-	-	-	-
MCGP-S6-MC	Yes	Multi Mode	2	1310	SC	1km
MCGP-S6-MCA	Yes	Multi Mode	1	1310 Tx / 1550 Rx	SC	1km
MCGP-S6-MCB	Yes	Multi Mode	1	1550 Tx / 1310 Rx	SC	1km
MCGP-S6-SC	Yes	Single Mode	2	1310	SC	20km
MCGP-S6-SCA	Yes	Single Mode	1	1310 Tx / 1550 Rx	SC	20km
MCGP-S6-SCB	Yes	Single Mode	1	1550 Tx / 1310 Rx	SC	20km
MCGP-S6-MT	Yes	Multi Mode	2	1310	ST	1km
MCGP-S6-MTA	Yes	Multi Mode	1	1310 Tx / 1550 Rx	ST	1km
MCGP-S6-MTB	Yes	Multi Mode	1	1550 Tx / 1310 Rx	ST	1km
MCGP-S6-ST	Yes	Single Mode	2	1310	ST	20km
MCGP-S6-STA	Yes	Single Mode	1	1310 Tx / 1550 Rx	ST	20km
MCGP-S6-STB	Yes	Single Mode	1	1550 Tx / 1310 Rx	ST	20km

OTHER

5VDC Power Adaptor is included with non-PoE converters

52VDC Power Adaptor is included with PoE converters

For MCG-S6 and MCGP-S6 converters, SFP module is not included and to be purchased separately



Vikings Technology Co. Ltd.

www.vikingstechnology.com

sales@vikingstechnology.com

Last update 2025 March. Product specifications and availability are subject to change without further notice

KEY FEATURES

- 1*10/100/1000Base-TX to 1*100/1000Base-FX
- Ultra Small design, only 62*44*18mm
- Fiber inbuilt, SM/MM fiber type, ST/SC connectors available
- Fiber port with auto speed detection function
- Operating temperature from -10°C to +60°C
- Power input from 5 to 15VDC
- 5VDC Power adaptor included
- Robust Metal case, no fan design
- 3 years warranty



INTRODUCTION

This Ultra Small Ethernet Media Converter is designed to transmit and receive Ethernet signal over optical fiber. Fiber port auto detects network speed, which makes this unit universal for 100Mbps and 1Gbps fiber networks. Versions for Singlemode and Multimode fiber type, single and dual fiber cores, SC and ST fiber connectors available. Housed in Ultra Small robust metal enclosure, no fan design with up to +60°C temperature operation, makes those media converters a perfect choice for your applications, where installation spaces are limited and higher environment temperatures expected.

SPECIFICATIONS

Model	MCG-S1 series
Ports	
RJ45 ports and speed	1 * 10/100/1000Base-TX
Fiber ports and speed	1 * 100/1000Base-FX
Fiber Type, Connectors	Singlemode or Multimode, SC or ST
Max distance	1/20km - check Ordering Information tab
Ethernet	
Processing type	Store and Forward
Max Packet Length	9K
MAC Address Table	2K
PoE	Not supported
Standards	IEEE802.3, IEEE802.3u IEEE802.3ab, IEEE802.3z

Model	MCG-S1 series
Environmental	
Operating Temperature	-10°C ~ +60°C
Storage Temperature	-40°C ~ +75°C
Relative Humidity	0 ~ 90% non-condensing
MTBF	410.000h
Electrical and Physical	
Power Input	5-15VDC, USB Type C
Max Power consumption	3W
Cooling	Natural cooling, no fan design
Dimensions	62 * 44 * 18mm (51 * 44 * 18mm - metal box only, without fiber connectors)
Weight	50g (~150g including PA)
Mounting	Desktop / Wallmount with a help of included Velcro tape
Certification	
Standards	Vibration: IEC 60068-2-6:2007 Shock: IEC 60068-2-27:2008 Free fall: IEC 60068-2-32:1975 CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020 EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01 EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023 CE 2014/35/EU LVD, EN IEC 62368-1:2024 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102

ORDERING INFORMATION

Model Name	Fiber type	Fiber count	Wavelength, nm	Connector	Distance
MCG-S1-MC	Multi Mode	2	1310	SC	1km
MCG-S1-MCA	Multi Mode	1	1310 Tx / 1550 Rx	SC	1km
MCG-S1-MCB	Multi Mode	1	1550 Tx / 1310 Rx	SC	1km
MCG-S1-SC	Single Mode	2	1310	SC	20km
MCG-S1-SCA	Single Mode	1	1310 Tx / 1550 Rx	SC	20km
MCG-S1-SCB	Single Mode	1	1550 Tx / 1310 Rx	SC	20km

ORDERING INFORMATION (CONTINUE)

Model Name	Fiber type	Fiber count	Wavelength, nm	Connector	Distance
MCG-S1-MT	Multi Mode	2	1310	ST	1km
MCG-S1-MTA	Multi Mode	1	1310 Tx / 1550 Rx	ST	1km
MCG-S1-MTB	Multi Mode	1	1550 Tx / 1310 Rx	ST	1km
MCG-S1-ST	Single Mode	2	1310	ST	20km
MCG-S1-STA	Single Mode	1	1310 Tx / 1550 Rx	ST	20km
MCG-S1-STB	Single Mode	1	1550 Tx / 1310 Rx	ST	20km

OTHER

Wall-pluggable Power Adaptor (5VDC) is included



ikings Technology

MCG-S2 series

Ultra Small Ethernet Media Converter

KEY FEATURES

- 1*10/100/1000Base-TX to 1*100/1000Base-X SFP
- Ultra Small design, only 79*28*18mm
- SFP port with auto speed detection function
- Operating temperature from -10°C to +60°C
- Power input from 5 to 15VDC
- 5VDC Power adaptor included
- Robust Metal case, no fan design
- 3 years warranty



INTRODUCTION

This Ultra Small Ethernet Media Converter is designed to transmit and receive Ethernet signal over optical fiber. The SFP port auto detects 100Base-FX and 1000Base-X SFP modules, which makes this unit universal for 100Mbps and 1Gbps fiber networks. Housed in Ultra Small robust metal enclosure, no fan design with up to +60°C temperature operation, makes those media converters a perfect choice for your applications, where installation spaces are limited and higher environment temperatures expected.

SPECIFICATIONS

Model	MCG-S2
Ports	
RJ45 ports and speed	1 * 10/100/1000Base-TX
Fiber ports and speed	1 * 100/1000Base-X SFP
Ethernet	
Processing type	Store and Forward
Max Packet Length	9K
MAC Address Table	2K
PoE	Not supported
Standards	IEEE802.3, IEEE802.3u IEEE802.3ab, IEEE802.3z

Model	MCG-S2
Environmental	
Operating Temperature	-10°C ~ +60°C
Storage Temperature	-40°C ~ +75°C
Relative Humidity	0 ~ 90% non-condensing
MTBF	410.000h
Electrical and Physical	
Power Input	5-15VDC
Power Adaptor	5VDC, USB Type-C connector
Max Power consumption	3W
Cooling	Natural cooling, no fan design
Dimensions	79 * 28 * 18mm
Weight	50g (~150g including PA)
Mounting	Desktop / Wallmount with a help of Velcro tape
Certification	
Standards	Vibration: IEC 60068-2-6:2007 Shock: IEC 60068-2-27:2008 Free fall: IEC 60068-2-32:1975 CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020 EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01 EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023 CE 2014/35/EU LVD, EN IEC 62368-1:2024 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102

ORDERING INFORMATION

Model name	Description
MCG-S2	Ultra small Ethernet media converter 1*10/100/1000Base-TX RJ45 to 1*100/1000Base-X SFP, 5-15VDC input, 5VDC PA included

OTHER

Wall-pluggable Power Adaptor (5VDC) is included

SFP module is not included and to be purchased separately



KEY FEATURES

- Converts 1 x 10/100Base-TX Ethernet with 1 x bidirectional Contact Closure to 100/1000Base-X SFP fiber
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Operating temperature from -40°C to +75°C
- Wide, polarity insensitive power input range 9-48VDC or 9-24VAC
- Metal case, no fan design
- DIN-Rail mount
- 5 years warranty



INTRODUCTION

The MCC-D4 Industrial grade Ethernet Media Converter with Contact Closure is designed to transmit and receive 10/100Mbps Ethernet data and bidirectional Contact Closure signal over optical fiber through user selectable SFP module options. Housed in rugged metal Din-rail enclosure, no fan design with extreme temperatures operation, makes those converters a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Ethernet	
Copper ports and speed	1 x 10/100Base-TX, RJ45 connector
Fiber ports and speed	1 x 100/1000Base-X SFP slot
Processing type	Store and Forward
Working mode	Full duplex or half duplex
Standards	IEEE802.3 10Base-T, IEEE802.3u 100Base-TX/FX
Contact Closure	
Channels number & direction	1ch both directions
Output type	Normally Open (N.O.) or Normally Closed (N.C.)
Max Output Voltage	110VAC/30VDC
Max Output Current	3A
Input type	Dry contact
Connector	5pin terminal block

Environmental	
Operating Temperature	-40°C ~ +75°C
Storage Temperature	-55°C ~ +85°C
Relative Humidity	0 ~ 95% non-condensing
MTBF	480.000h
Electrical and Physical	
Redundant Power Input	9-48VDC or 9-24VAC, Terminal block with screws, Polarity insensitive
Weight	~200g
Dimensions (H * D * W)	90 * 70 * 30mm (without connectors and mount clip)
Mounting	Din-rail
Certification	
Standards	Vibration: IEC 60068-2-6:2007 Shock: IEC 60068-2-27:2008 Free fall: IEC 60068-2-32:1975 CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020 EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01 EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023 CE 2014/35/EU LVD, EN IEC 62368-1:2024 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102

ORDERING INFORMATION

Model name	Description
MCC-D4	Industrial 1*10/100Base-TX Ethernet with 1*bidirectional Contact Closure to 1*100/1000Base-X SFP fiber converter, 9-48VDC or 9-24VAC input, Din-Rail

OTHER

SFP module and Power supply is not included and to be purchased separately



KEY FEATURES

- MCF-C1 series: 1*10/100Base-TX to 1*100Base-X
- MCG-C1 series: 1*10/100/1000Base-TX to 1*1000Base-X
- Operating temperature from -10°C to +60°C
- Options with SFP slot and fiber module inbuilt available
- Wide selection of fiber connectors - LC, SC or ST
- Designed to be mounted in RM-C1 Rack Mount Chassis
- Plug & Play - no configuration required
- 3 years warranty



INTRODUCTION

Ethernet Media Converter Cards are designed to be used for optical signals conversion to copper Ethernet at the receiving end. MCF-C1 works on 100Mbps, while MCG-C1 - on 1000Mbps fiber links. Those cards can come with SFP slots for your free selection of fiber type, or already with inbuilt Singlemode or Multimode fiber modules with SC or ST connectors. Up to 16 such cards installed in RM-C1 Rack Mount Chassis with dual power supplies, provides convenient, space saving and stable Ethernet conversion at your Control Room end.

SPECIFICATIONS

Model	MCF-C1 series	MCG-C1 series
Ports		
RJ45 ports and speed	1 * 10/100Base-TX	1 * 10/100/1000Base-TX
Fiber ports and speed	1 * 100Base-X SFP or fiber module inbuilt	1 * 1000Base-X SFP or fiber module inbuilt
Fiber Type, Connectors Max distance	For SFP slot refer to SFP module specifications For fiber inbuilt – Singlemode or Multimode, SC or ST, 1/2/20km – see Ordering Information tab	
Ethernet		
Processing type	Store and Forward	
Switching Bandwidth	1Gbps	2Gbps
Packet Buffer	768K	1M
MAC Address Table	1K	2K
PoE	Not supported	
Standards	IEEE802.3, IEEE802.3u	

Model	MCF-C1 series	MCG-C1 series
Environmental		
Operating Temperature	-10°C ~ +60°C	
Storage Temperature	-40°C ~ +85°C	
Relative Humidity	0 ~ 90% non-condensing	
MTBF	410.000h	
Electrical and Physical		
Power Input	From RM-C1 Rack Mount Chassis dual PSU	
Max Power consumption	3W	4W
Dimensions (H * D * W)	87 * 130 * 25mm (with screws)	
Weight	~300g	
Mounting	Card, to be mounted in RM-C1 Rack Mount Chassis (up to 16 cards per 1 chassis)	
Certification		
Standards	Vibration: IEC 60068-2-6:2007 Shock: IEC 60068-2-27:2008 Free fall: IEC 60068-2-32:1975 CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020 EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01 EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023 CE 2014/35/EU LVD, EN IEC 62368-1:2024 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102	

ORDERING INFORMATION

Model Name	Speed	Fiber type	Fiber count	Wavelength, nm	Connector	Distance
MCF-C1	100Mbps	SFP	-	-	-	-
MCF-C1-MC	100Mbps	Multi Mode	2	1310	SC	2km
MCF-C1-MCA	100Mbps	Multi Mode	1	1310 Tx / 1550 Rx	SC	2km
MCF-C1-MCB	100Mbps	Multi Mode	1	1550 Tx / 1310 Rx	SC	2km
MCF-C1-SC	100Mbps	Single Mode	2	1310	SC	20km
MCF-C1-SCA	100Mbps	Single Mode	1	1310 Tx / 1550 Rx	SC	20km
MCF-C1-SCB	100Mbps	Single Mode	1	1550 Tx / 1310 Rx	SC	20km

ORDERING INFORMATION (CONTINUE)

Model Name	Speed	Fiber type	Fiber count	Wavelength, nm	Connector	Distance
MCF-C1-MT	100Mbps	Multi Mode	2	1310	ST	2km
MCF-C1-MTA	100Mbps	Multi Mode	1	1310 Tx / 1550 Rx	ST	2km
MCF-C1-MTB	100Mbps	Multi Mode	1	1550 Tx / 1310 Rx	ST	2km
MCF-C1-ST	100Mbps	Single Mode	2	1310	ST	20km
MCF-C1-STA	100Mbps	Single Mode	1	1310 Tx / 1550 Rx	ST	20km
MCF-C1-STB	100Mbps	Single Mode	1	1550 Tx / 1310 Rx	ST	20km
MCG-C1	1Gbps	SFP	-	-	-	-
MCG-C1-MC	1Gbps	Multi Mode	2	1310	SC	1km
MCG-C1-MCA	1Gbps	Multi Mode	1	1310 Tx / 1550 Rx	SC	1km
MCG-C1-MCB	1Gbps	Multi Mode	1	1550 Tx / 1310 Rx	SC	1km
MCG-C1-SC	1Gbps	Single Mode	2	1310	SC	20km
MCG-C1-SCA	1Gbps	Single Mode	1	1310 Tx / 1550 Rx	SC	20km
MCG-C1-SCB	1Gbps	Single Mode	1	1550 Tx / 1310 Rx	SC	20km
MCG-C1-MT	1Gbps	Multi Mode	2	1310	ST	1km
MCG-C1-MTA	1Gbps	Multi Mode	1	1310 Tx / 1550 Rx	ST	1km
MCG-C1-MTB	1Gbps	Multi Mode	1	1550 Tx / 1310 Rx	ST	1km
MCG-C1-ST	1Gbps	Single Mode	2	1310	ST	20km
MCG-C1-STA	1Gbps	Single Mode	1	1310 Tx / 1550 Rx	ST	20km
MCG-C1-STB	1Gbps	Single Mode	1	1550 Tx / 1310 Rx	ST	20km

OTHER

SFP module is not included and to be purchased separately



Vikings Technology Co. Ltd.

www.vikingstechnology.com

sales@vikingstechnology.com

Last update 2025 March. Product specifications and availability are subject to change without further notice



ikings Technology

SUG210 series

Unmanaged Industrial Switch

KEY FEATURES

- 2*10/100/1000Base-TX and 1*100/1000Base-X SFP ports
- SFP port with auto speed detection function
- PoE++ version up to 90W output
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Operating temperature from -40°C to +75°C
- Redundant and wide range power inputs
- Power boost
- Metal case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The SUG210 series Industrial grade Unmanaged Ethernet Switch is designed to switch and transmit 10/100/1000Mbps Ethernet over optical fiber through user selectable SFP module options. The SFP port auto detects 100Base-FX and 1000Base-X SFP modules, which makes this unit universal for 100Mbps and 1Gbps fiber networks. The PoE versions, meeting the IEEE802.3af/at/bt standards, provides PoE++ as Power Sourcing Equipment (PSE) up to 90W per each port. Housed in rugged metal Din-rail or wall-mountable enclosure, no fan design with extreme temperatures operation, makes those switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SUG210-D5	SUG210P-D5	SUG210P90-D5
Ports			
RJ45 ports and speed	2 * 10/100/1000Base-TX		
Fiber ports and speed	1 * 100/1000Base-X SFP		
Ethernet			
Processing type	Store and Forward		
Switching Bandwidth	6Gbps		
Max Packet Length	9KB		
Packet Buffer	1Mb		
MAC Address Table	2K		
PoE	Not supported	IEEE802.3af/at Max output 30W per port (60W Total)	IEEE802.3af/at/bt Max output 90W per port (180W Total)
Standards	IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3ab		

Model	SUG210-D5	SUG210P-D5	SUG210P90-D5
Environmental			
Operating Temperature	-40°C ~ +75°C		
Storage Temperature	-40°C ~ +85°C		
Relative Humidity	0 ~ 90% non-condensing		
MTBF	480.000h		
Electrical and Physical			
Power Input	Redundant 12-48VDC		Redundant 48-57VDC
Max Power consumption	5W	65W	185W
Cooling	Natural cooling, no fan design		
Dimensions (H * D * W)	95 * 70 * 30mm		
Weight	~300g		
Mounting	Din-rail / Wallmount		
Certification			
Standards	Surge protection for power ports: 6KV (EN 61000-4-5)		
	Surge protection for Ethernet ports: 6KV (EN 61000-4-5)		
	Vibration: IEC 60068-2-6:2007		
	Shock: IEC 60068-2-27:2008		
	Free fall: IEC 60068-2-32:1975		
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
	FCC Part 15, Subpart B:2016, ANSI C63.4:2014		
	RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102		

ORDERING INFORMATION

Model name	Description
SUG210-D5	Unmanaged Industrial Switch 2*10/100/1000Base-TX RJ45 and 1*100/1000Base-X SFP ports, redundant 12-48VDC inputs, Din-Rail
SUG210P-D5	Unmanaged Industrial Switch 2*10/100/1000Base-TX RJ45 PoE and 1*100/1000Base-X SFP ports, redundant 12-48VDC inputs, Din-Rail
SUG210P90-D5	Unmanaged Industrial Switch 2*10/100/1000Base-TX RJ45 90W PoE and 1*100/1000Base-X SFP ports, redundant 48-57VDC inputs, Din-Rail

OTHER

SFP module and Power supply is not included and to be purchased separately

Vikings Technology Co. Ltd.

www.vikingstechnology.com


sales@vikingstechnology.com

Last update 2025 March. Product specifications and availability are subject to change without further notice

KEY FEATURES

- 2*10/100/1000Base-TX RJ45 and 2*100/1000Base-X SFP ports
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Extended PoE and Ethernet transmission up to 250 meters & PoE Watchdog (PoE model)
- Redundant fiber & 100M/1G port speed selection via external DIP switches
- Electric up to 4KV surge protection
- Operating temperature from -40°C to +75°C
- Redundant and wide power input range with input polarity protection
- Aluminum case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The SUG220 series Industrial grade Ethernet Switch comes with 2 * 10/100/1000Mbps RJ45 and 2 * 100/1000Base-X SFP ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 30W each port. Inbuilt PoE & Ethernet extender function allows signals to be transmitted & received up to 250meters, PoE watchdog function, redundant fiber and fiber port speed manual selection which all can be easily enabled/disabled by the external DIP switches. Housed in rugged aluminum Din-rail or wall-mountable IP40 enclosure, no fan design with extreme temperatures operation, makes those switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SUG220-D6	SUG220P-D6
Ports		
RJ45 ports and speed	4 * 10/100/1000Base-TX	
Fiber ports and speed	2 * 100/1000Base-X SFP	
DIP switches	1. Redundant fiber 2. Flow control 3. Broadcast storm suppression 4. 100M/1G fiber port selection	1. Redundant fiber 2. 100M/1G fiber port selection 3. 250m Extended Ethernet 4. PoE Watchdog
Ethernet		
Processing type	Store and Forward	
Switching Bandwidth	8Gbps	
Packet Forwarding	11.9Mpps	
Max Packet Length	10KB	
Packet Buffer	1Mb	
MAC Address Table	2K	

Model	SUG220-D6		SUG220P-D6	
PoE	n/a		Ports 1-2: IEEE 802.3af/at, max output 30W per port (60W Total)	
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3az, IEEE802.3x			
Environmental				
Operating Temperature	-40°C ~ +75°C			
Storage Temperature	-40°C ~ +85°C			
Relative Humidity	0 ~ 90% non-condensing			
MTBF	480.000h			
Electrical and Physical				
Redundant Power Inputs	12-58VDC		44-57VDC	
Max Power consumption	5W		65W	
Input polarity protection	Yes			
Case	IP40 aluminum case			
Cooling	Natural cooling, no fan design			
Dimensions (H * D * W)	85 * 85 * 30mm			
Weight	~300g			
Mounting	Din-rail / Wallmount			
Certifications				
Standards	Surge protection for power ports: 4KV/2KV (EN 61000-4-5)			
	Surge protection for Ethernet ports: 4KV/2KV (EN 61000-4-5)			
	Vibration: IEC 60068-2-6:2007, Shock: IEC 60068-2-27:2008			
	Free fall: IEC 60068-2-32:1975			
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020			
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01			
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012			
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023			
	CE 2014/35/EU LVD, EN IEC 62368-1:2024			
	FCC Part 15, Subpart B:2016, ANSI C63.4:2014			
	RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102			

ORDERING INFORMATION

Model name	Description
SUG220-D6	Unmanaged Industrial Switch 2*10/100/1000Base-TX RJ45 and 2*100/1000Base-X SFP ports, redundant 12-58VDC inputs, Din-Rail
SUG220P-D1	Unmanaged Industrial Switch 2*10/100/1000Base-TX RJ45 PoE and 2*100/1000Base-X SFP ports, redundant 44-57VDC inputs, Din-Rail

OTHER

SFP modules and Power supplies are not included and to be purchased separately



Vikings Technology Co. Ltd.

www.vikingstechnology.com

sales@vikingstechnology.com

Last update 2025 March. Product specifications and availability are subject to change without further notice

KEY FEATURES

- 4*10/100/1000Base-TX RJ45 and 1*1000Base-X SFP ports
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Extended PoE and Ethernet transmission up to 250 meters & PoE Watchdog (PoE model)
- QoS & Port Isolation
- Electric up to 4KV surge protection
- Operating temperature from -40°C to +75°C
- Redundant and wide power input range with input polarity protection
- Aluminum case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The SUG410 series Industrial grade Ethernet Switch comes with 4 * 10/100/1000Mbps RJ45 and 1 * 1000Base-X SFP ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 30W each port. Inbuilt PoE & Ethernet extender function allows signals to be transmitted & received up to 250meters (ports 1-2), PoE watchdog function, QoS (ports 1-2) and port isolation which all can be easily enabled/disabled by the external DIP switches. Housed in rugged aluminum Din-rail or wall-mountable IP40 enclosure, no fan design with extreme temperatures operation, makes those switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SUG410-D1	SUG410P-D1
Ports		
RJ45 ports and speed	4 * 10/100/1000Base-TX	
Fiber ports and speed	1 * 1000Base-X SFP	
DIP switches	1. Port Isolation 2. Flow control 3. QoS (ports 1-2) 4. Broadcast storm suppression	1. Port Isolation 2. 250m Extended Ethernet (ports 1-2) 3. QoS (ports 1-2) 4. PoE Watchdog
Ethernet		
Processing type	Store and Forward	
Switching Bandwidth	10Gbps	
Packet Forwarding	14.8Mpps	
Max Packet Length	10KB	
Packet Buffer	1Mb	
MAC Address Table	2K	

Model	SUG410-D1		SUG410P-D1
PoE	n/a		Ports 1-4: IEEE 802.3af/at, max output 30W per port (120W Total)
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3az, IEEE802.3x		
Environmental			
Operating Temperature	-40°C ~ +75°C		
Storage Temperature	-40°C ~ +85°C		
Relative Humidity	0 ~ 90% non-condensing		
MTBF	590.000h		
Electrical and Physical			
Redundant Power Inputs	12-58VDC	44-57VDC	
Max Power consumption	5W	125W	
Input polarity protection	Yes		
Case	IP40 aluminum case		
Cooling	Natural cooling, no fan design		
Dimensions (H * D * W)	130 * 98 * 30mm		
Weight	~600g		
Mounting	Din-rail / Wallmount		
Certifications			
Standards	Surge protection for power ports: 4KV/2KV (EN 61000-4-5)		
	Surge protection for Ethernet ports: 4KV/2KV (EN 61000-4-5)		
	Vibration: IEC 60068-2-6:2007		
	Shock: IEC 60068-2-27:2008		
	Free fall: IEC 60068-2-32:1975		
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
	FCC Part 15, Subpart B:2016, ANSI C63.4:2014		
	RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102		

ORDERING INFORMATION

Model name	Description
SUG410-D1	Unmanaged Industrial Switch 4*10/100/1000Base-TX RJ45 and 1*1000Base-X SFP ports, redundant 12-58VDC inputs, Din-Rail
SUG410P-D1	Unmanaged Industrial Switch 4*10/100/1000Base-TX RJ45 PoE and 1*1000Base-X SFP ports, redundant 44-57VDC inputs, Din-Rail

OTHER

SFP modules and Power supplies are not included and to be purchased separately

Vikings Technology Co. Ltd.

www.vikingstechnology.com


sales@vikingstechnology.com

KEY FEATURES

- 4*10/100/1000Base-TX RJ45 and 2*1000Base-X SFP ports
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Extended PoE and Ethernet transmission up to 250 meters & PoE Watchdog (PoE model)
- QoS & Port Isolation
- Electric up to 4KV surge protection
- Operating temperature from -40°C to +75°C
- Redundant and wide power input range with input polarity protection
- Aluminum case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The SUG420 series Industrial grade Ethernet Switch comes with 4 * 10/100/1000Mbps RJ45 and 2 * 1000Base-X SFP ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 30W each port. Inbuilt PoE & Ethernet extender function allows signals to be transmitted & received up to 250meters (ports 1-2), PoE watchdog function, QoS (ports 1-2) and port isolation which all can be easily enabled/disabled by the external DIP switches. Housed in rugged aluminum Din-rail or wall-mountable IP40 enclosure, no fan design with extreme temperatures operation, makes those switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SUG420-D1	SUG420P-D1
Ports		
RJ45 ports and speed	4 * 10/100/1000Base-TX	
Fiber ports and speed	2 * 1000Base-X SFP	
DIP switches	1. Port Isolation 2. Flow control 3. QoS (ports 1-2) 4. Broadcast storm suppression	1. Port Isolation 2. 250m Extended Ethernet (ports 1-2) 3. QoS (ports 1-2) 4. PoE Watchdog
Ethernet		
Processing type	Store and Forward	
Switching Bandwidth	12Gbps	
Packet Forwarding	17.8Mpps	
Max Packet Length	10KB	
Packet Buffer	1Mb	
MAC Address Table	2K	

Model	SUG420-D1		SUG420P-D1
PoE	n/a		Ports 1-4: IEEE 802.3af/at, max output 30W per port (120W Total)
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3az, IEEE802.3x		
Environmental			
Operating Temperature	-40°C ~ +75°C		
Storage Temperature	-40°C ~ +85°C		
Relative Humidity	0 ~ 90% non-condensing		
MTBF	590.000h		
Electrical and Physical			
Redundant Power Inputs	12-58VDC	44-57VDC	
Max Power consumption	5W	125W	
Input polarity protection	Yes		
Case	IP40 aluminum case		
Cooling	Natural cooling, no fan design		
Dimensions (H * D * W)	130 * 98 * 30mm		
Weight	~600g		
Mounting	Din-rail / Wallmount		
Certifications			
Standards	Surge protection for power ports: 4KV/2KV (EN 61000-4-5)		
	Surge protection for Ethernet ports: 4KV/2KV (EN 61000-4-5)		
	Vibration: IEC 60068-2-6:2007		
	Shock: IEC 60068-2-27:2008		
	Free fall: IEC 60068-2-32:1975		
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
	FCC Part 15, Subpart B:2016, ANSI C63.4:2014		
	RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102		

ORDERING INFORMATION

Model name	Description
SUG420-D1	Unmanaged Industrial Switch 4*10/100/1000Base-TX RJ45 and 2*1000Base-X SFP ports, redundant 12-58VDC inputs, Din-Rail
SUG420P-D1	Unmanaged Industrial Switch 4*10/100/1000Base-TX RJ45 PoE and 2*1000Base-X SFP ports, redundant 44-57VDC inputs, Din-Rail

OTHER

SFP modules and Power supplies are not included and to be purchased separately

Vikings Technology Co. Ltd.

www.vikingstechnology.com


sales@vikingstechnology.com

KEY FEATURES

- 5*10/100/1000Base-TX ports
- PoE+ version up to 30W per port (1-4) output
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Operating temperature from -40°C to +75°C
- Redundant wide power inputs from 12 to 48VDC
- Power boost technology
- Metal case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The SUG500 series Industrial grade Ethernet Switch comes with 5 * 10/100/1000Mbps RJ45 ports. The PoE version, meeting the IEEE802.3af/at standards, provides PoE+ as Power Sourcing Equipment (PSE) up to 30W per each of 1-4 ports. Power boost technology ensures standard PoE+ output while supplying as low as 12VDC power to the switch. Housed in rugged metal Din-rail or wall-mountable enclosure, no fan design with extreme temperatures operation, makes those switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SUG500-D5	SUG500P-D5
Ports		
RJ45 ports and speed	5 * 10/100/1000Base-TX	
Fiber ports and speed	N/A	
Ethernet		
Processing type	Store and Forward	
Switching Bandwidth	10Gbps	
Max Packet Length	9KB	
Packet Buffer	1Mb	
MAC Address Table	8K	
PoE	Not supported	Ports 1-4: IEEE 802.3af/at, max output 30W per port (120W Total PoE budget) PoE budget 120W @ 48VDC power input PoE budget 90W @ 24VDC power input PoE budget 60W @ 12VDC power input
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE 802.3x, IEEE 802.3az	

Model	SUG500-D5		SUG500P-D5	
Environmental				
Operating Temperature	-40°C ~ +75°C			
Storage Temperature	-40°C ~ +85°C			
Relative Humidity	0 ~ 90% non-condensing			
MTBF	480.000h			
Electrical and Physical				
Power Input	Redundant 12-48VDC		Redundant 12-48VDC See PoE section for min Voltage required	
Max Power consumption	5W		125W	
Cooling	Natural cooling, no fan design			
Dimensions (H * D * W)	95 * 70 * 30mm			
Weight	~300g			
Mounting	Din-rail / Wallmount			
Certification				
Standards	Surge protection for power ports: 6KV (EN 61000-4-5)			
	Surge protection for Ethernet ports: 6KV (EN 61000-4-5)			
	Vibration: IEC 60068-2-6:2007			
	Shock: IEC 60068-2-27:2008			
	Free fall: IEC 60068-2-32:1975			
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020			
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01			
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012			
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023			
	CE 2014/35/EU LVD, EN IEC 62368-1:2024			
FCC Part 15, Subpart B:2016, ANSI C63.4:2014				
RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102				

ORDERING INFORMATION

Model name	Description
SUG500-D5	Unmanaged Industrial Switch 5*10/100/1000Base-TX RJ45 ports, redundant 12-48VDC inputs, Din-Rail
SUG500P-D5	Unmanaged Industrial Switch 4*10/100/1000Base-TX RJ45 PoE and 1*10/100/1000Base-TX RJ45 ports, redundant 12-48VDC inputs, Din-Rail

OTHER

Power supply is not included and to be purchased separately



ikings Technology

SUG500P90 series

PoE Powered Unmanaged Industrial Switch

KEY FEATURES

- 5*10/100/1000Base-TX ports
- Powered by PoE, accepts up to 90W power input
- Acts as PoE Power Sourcing Equipment (PoE/PSE) with total up to 75W output
- Electric up to 8KV surge protection
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Operating temperature from -40°C to +75°C
- Compact metal case, no fan design
- DIN-Rail or Wallmount
- 3 years warranty



INTRODUCTION

The SUG500P90 series Industrial grade Unmanaged Ethernet Switch is unique design, PoE Powered Device (PoE/PD) and can be powered from PoE, up to 90W input. Even more, it also acts as PoE Power Sourcing Equipment (PoE/PSE) and can power 4 PoE/PD devices up to 30W per port with total PoE budget of up to 75W. It is a perfect solution where extra IP PoE cameras or other network devices needs to be added without running a power or separate network cables. Housed in rugged metal Din-rail or wall-mountable IP40 enclosure, no fan design with extreme temperatures operation, makes those switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SUG500P90-D5
Ports	
RJ45 ports and speed	5 * 10/100/1000Base-TX
Ethernet	
Processing type	Store and Forward
Max Packet Length	9KB
Switching Bandwidth	10Gbps
Packet Buffer	1Mb
MAC Address Table	4K
PoE	Input: 1 * IEEE 802.3at/bt max 90W Output: 4 * IEEE 802.3af/at max 30W per port (up to 75W Total)
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab

Model	SUG500P90-D5
Environmental	
Operating Temperature	-40°C ~ +75°C
Storage Temperature	-40°C ~ +85°C
Relative Humidity	0 ~ 90% non-condensing
MTBF	480.000h
Electrical and Physical	
Power	PoE, IEEE 802.3at/bt max 90W
Cooling	Natural cooling, no fan design
Dimensions (H * D * W)	95 * 70 * 30mm
Weight	~300g
Mounting	Din-rail / Wallmount
Certifications	
Standards	Surge protection for Ethernet ports: 6KV (EN 61000-4-5) Vibration: IEC 60068-2-6:2007 Shock: IEC 60068-2-27:2008 Free fall: IEC 60068-2-32:1975 CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020 EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01 EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023 CE 2014/35/EU LVD, EN IEC 62368-1:2024 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102

ORDERING INFORMATION

Model name	Description
SUG500P90-D5	PoE powered Unmanaged Industrial Switch with 5*10/100/1000Base-TX RJ45 ports, max 90W PoE in / 75W PoE out, Din-Rail

OTHER

KEY FEATURES

- 5*10/100/1000Base-TX RJ45 and 1*1000Base-X SFP ports
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Extended PoE and Ethernet transmission up to 250 meters & PoE Watchdog (PoE model)
- QoS & Port Isolation
- Electric up to 4KV surge protection
- Operating temperature from -40°C to +75°C
- Redundant and wide power input range with input polarity protection
- Aluminum case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The SUG510 series Industrial grade Ethernet Switch comes with 5 * 10/100/1000Mbps RJ45 and 1 * 1000Base-X SFP ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 30W each of 4 ports. Inbuilt PoE & Ethernet extender function allows signals to be transmitted & received up to 250meters (ports 1-2), PoE watchdog function, QoS (ports 1-2) and port isolation which all can be easily enabled/disabled by the external DIP switches. Housed in rugged aluminum Din-rail or wall-mountable IP40 enclosure, no fan design with extreme temperatures operation, makes those switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SUG510-D1	SUG510P-D1
Ports		
RJ45 ports and speed	5 * 10/100/1000Base-TX	
Fiber ports and speed	1 * 1000Base-X SFP	
DIP switches	1. Port Isolation 2. Flow control 3. QoS (ports 1-2) 4. Broadcast storm suppression	1. Port Isolation 2. 250m Extended Ethernet (ports 1-2) 3. QoS (ports 1-2) 4. PoE Watchdog
Ethernet		
Processing type	Store and Forward	
Switching Bandwidth	12Gbps	
Packet Forwarding	17.8Mpps	
Max Packet Length	10KB	
Packet Buffer	1Mb	
MAC Address Table	2K	

Model	SUG510-D1		SUG510P-D1
PoE	n/a		Ports 1-4: IEEE 802.3af/at, max output 30W per port (120W Total)
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3az, IEEE802.3x		
Environmental			
Operating Temperature	-40°C ~ +75°C		
Storage Temperature	-40°C ~ +85°C		
Relative Humidity	0 ~ 90% non-condensing		
MTBF	590.000h		
Electrical and Physical			
Redundant Power Inputs	12-58VDC	44-57VDC	
Max Power consumption	5W	125W	
Input polarity protection	Yes		
Case	IP40 aluminum case		
Cooling	Natural cooling, no fan design		
Dimensions (H * D * W)	130 * 98 * 30mm		
Weight	~600g		
Mounting	Din-rail / Wallmount		
Certifications			
Standards	Surge protection for power ports: 4KV/2KV (EN 61000-4-5)		
	Surge protection for Ethernet ports: 4KV/2KV (EN 61000-4-5)		
	Vibration: IEC 60068-2-6:2007, Shock: IEC 60068-2-27:2008		
	Free fall: IEC 60068-2-32:1975		
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
	FCC Part 15, Subpart B:2016, ANSI C63.4:2014		
	RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102		

ORDERING INFORMATION

Model name	Description
SUG510-D1	Unmanaged Industrial Switch 5*10/100/1000Base-TX RJ45 and 1*1000Base-X SFP ports, redundant 12-58VDC inputs, Din-Rail
SUG510P-D1	Unmanaged Industrial Switch 4*10/100/1000Base-TX RJ45 30W PoE and 1*10/100/1000Base-TX RJ45 and 1*1000Base-X SFP ports, redundant 44-57VDC inputs, Din-Rail

OTHER

SFP modules and Power supplies are not included and to be purchased separately

Vikings Technology Co. Ltd.

www.vikingstechnology.com


sales@vikingstechnology.com

KEY FEATURES

- 8*10/100/1000Base-TX RJ45 ports
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Extended PoE and Ethernet transmission up to 250 meters & PoE Watchdog (PoE model)
- QoS & Port Isolation
- Electric up to 4KV surge protection
- Operating temperature from -40°C to +75°C
- Redundant and wide power input range with input polarity protection
- Aluminum case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The SUG800 series Industrial grade Ethernet Switch comes with 8 * 10/100/1000Mbps RJ45 ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 30W each port. Inbuilt PoE & Ethernet extender function allows signals to be transmitted & received up to 250meters (ports 1-4), PoE watchdog function, QoS (ports 1-2) and port isolation which all can be easily enabled/disabled by the external DIP switches. Housed in rugged aluminum Din-rail or wall-mountable IP40 enclosure, no fan design with extreme temperatures operation, makes those switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SUG800-D7	SUG800P-D7
Ports		
RJ45 ports and speed	8 * 10/100/1000Base-TX	
Fiber ports and speed	N/A	
DIP switches	1. Port Isolation 2. Flow control 3. QoS (ports 1-2) 4. Broadcast storm suppression	1. Port Isolation 2. 250m Extended Ethernet (ports 1-4) 3. QoS (ports 1-2) 4. PoE Watchdog
Ethernet		
Processing type	Store and Forward	
Switching Bandwidth	16Gbps	
Packet Forwarding	23.8Mpps	
Max Packet Length	10KB	
Packet Buffer	2Mb	
MAC Address Table	16K	

Model	SUG800-D7		SUG800P-D7
PoE	n/a		Ports 1-8: IEEE 802.3af/at, max output 30W per port (240W Total)
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3az, IEEE802.3x		
Environmental			
Operating Temperature	-40°C ~ +75°C		
Storage Temperature	-40°C ~ +85°C		
Relative Humidity	0 ~ 90% non-condensing		
MTBF	590.000h		
Electrical and Physical			
Redundant Power Inputs	12-58VDC	44-57VDC	
Max Power consumption	5W	245W	
Input polarity protection	Yes		
Case	IP40 aluminum case		
Cooling	Natural cooling, no fan design		
Dimensions (H * D * W)	98 * 98 * 48mm		
Weight	~600g		
Mounting	Din-rail / Wallmount		
Certifications			
Standards	Surge protection for power ports: 4KV/2KV (EN 61000-4-5)		
	Surge protection for Ethernet ports: 4KV/2KV (EN 61000-4-5)		
	Vibration: IEC 60068-2-6:2007, Shock: IEC 60068-2-27:2008		
	Free fall: IEC 60068-2-32:1975		
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
	FCC Part 15, Subpart B:2016, ANSI C63.4:2014		
RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102			

ORDERING INFORMATION

Model name	Description
SUG800-D7	Unmanaged Industrial Switch 8*10/100/1000Base-TX RJ45 ports, redundant 12-58VDC inputs, Din-Rail
SUG800P-D7	Unmanaged Industrial Switch 8*10/100/1000Base-TX RJ45 PoE ports, redundant 44-57VDC inputs, Din-Rail

OTHER

Power supplies are not included and to be purchased separately

Vikings Technology Co. Ltd.

www.vikingstechnology.com


sales@vikingstechnology.com

Last update 2025 March. Product specifications and availability are subject to change without further notice

KEY FEATURES

- 8*10/100/1000Base-TX RJ45 and 2*1000Base-X SFP ports
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Extended PoE and Ethernet transmission up to 250 meters & PoE Watchdog (PoE model)
- QoS & Port Isolation
- Electric up to 4KV surge protection
- Operating temperature from -40°C to +75°C
- Redundant and wide power input range with input polarity protection
- Aluminum case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The SUG820 series Industrial grade Ethernet Switch comes with 8 * 10/100/1000Mbps RJ45 and 2 * 1000Base-X SFP ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 30W each port. Inbuilt PoE & Ethernet extender function allows signals to be transmitted & received up to 250meters (ports 1-4), PoE watchdog function, QoS (ports 1-2) and port isolation which all can be easily enabled/disabled by the external DIP switches. Housed in rugged aluminum Din-rail or wall-mountable IP40 enclosure, no fan design with extreme temperatures operation, makes those switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SUG820-D2	SUG820P-D2
Ports		
RJ45 ports and speed	8 * 10/100/1000Base-TX	
Fiber ports and speed	2 * 1000Base-X SFP	
DIP switches	1. Port Isolation 2. Flow control 3. QoS (ports 1-2) 4. Broadcast storm suppression	1. Port Isolation 2. 250m Extended Ethernet (ports 1-4) 3. QoS (ports 1-2) 4. PoE Watchdog
Ethernet		
Processing type	Store and Forward	
Switching Bandwidth	20Gbps	
Packet Forwarding	29.7Mpps	
Max Packet Length	10KB	
Packet Buffer	2Mb	
MAC Address Table	16K	

Model	SUG820-D2		SUG820P-D2
PoE	n/a		Ports 1-8: IEEE 802.3af/at, max output 30W per port (240W Total)
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3az, IEEE802.3x		
Environmental			
Operating Temperature	-40°C ~ +75°C		
Storage Temperature	-40°C ~ +85°C		
Relative Humidity	0 ~ 90% non-condensing		
MTBF	590.000h		
Electrical and Physical			
Redundant Power Inputs	12-58VDC	44-57VDC	
Max Power consumption	8W	248W	
Input polarity protection	Yes		
Case	IP40 aluminum case		
Cooling	Natural cooling, no fan design		
Dimensions (H * D * W)	130 * 98 * 48mm		
Weight	~700g		
Mounting	Din-rail / Wallmount		
Certifications			
Standards	Surge protection for power ports: 4KV/2KV (EN 61000-4-5)		
	Surge protection for Ethernet ports: 4KV/2KV (EN 61000-4-5)		
	Vibration: IEC 60068-2-6:2007		
	Shock: IEC 60068-2-27:2008		
	Free fall: IEC 60068-2-32:1975		
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
	FCC Part 15, Subpart B:2016, ANSI C63.4:2014		
	RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102		

ORDERING INFORMATION

Model name	Description
SUG820-D2	Unmanaged Industrial Switch 8*10/100/1000Base-TX RJ45 and 2*1000Base-X SFP ports, redundant 12-58VDC inputs, Din-Rail
SUG820P-D2	Unmanaged Industrial Switch 8*10/100/1000Base-TX RJ45 PoE and 2*1000Base-X SFP ports, redundant 44-57VDC inputs, Din-Rail

OTHER

SFP modules and Power supplies are not included and to be purchased separately

Vikings Technology Co. Ltd.

www.vikingstechnology.com

sales@vikingstechnology.com



Last update 2025 March. Product specifications and availability are subject to change without further notice



KEY FEATURES

- 16*10/100/1000Base-TX RJ45 and 2*1000Base-X SFP ports
- Extended PoE and Ethernet transmission up to 250 meters & PoE Watchdog (PoE model)
- QoS & Link Aggregation
- Alarm output relay for power failure
- Electric up to 6KV surge protection
- Operating temperature from -40°C to +75°C
- Redundant and wide power input range with input polarity protection
- Aluminum case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The SUG1620 series Industrial grade Ethernet Switch comes with 16 * 10/100/1000Mbps RJ45 and 2 * 1000Base-X SFP ports. Inbuilt PoE & Ethernet extender function allows signals to be transmitted & received up to 250meters (ports 1-4), PoE watchdog function, QoS (ports 1-2) and Link aggregation which all can be easily enabled/disabled by the external DIP switches. Housed in rugged aluminum Din-rail or wall-mountable IP40 enclosure, no fan design with extreme temperatures operation, makes those switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SUG1620-D3	SUG1620P-D3
Ports		
RJ45 ports and speed	8 * 10/100/1000Base-TX	
Fiber ports and speed	2 * 1000Base-X SFP	
I/O ports	1 * Alarm output relay for power failure, max 1A@24VDC	
DIP switches	1. Link aggregation 2. Flow control 3. QoS (ports 1-2) 4. Broadcast storm suppression	1. Link aggregation 2. 250m Extended Ethernet (ports 1-4) 3. QoS (ports 1-2) 4. PoE Watchdog
Ethernet		
Processing type	Store and Forward	
Switching Bandwidth	36Gbps	
Packet Forwarding	53.5Mpps	
Max Packet Length	10KB	
Packet Buffer	2Mb	
MAC Address Table	8K	

Model	SUG1620-D3		SUG1620P-D3
PoE	n/a		Ports 1-16: IEEE 802.3af/at, max output 30W per port (240W Total)
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3az, IEEE802.3x		
Environmental			
Operating Temperature	-40°C ~ +75°C		
Storage Temperature	-40°C ~ +85°C		
Relative Humidity	0 ~ 90% non-condensing		
MTBF	590.000h		
Electrical and Physical			
Redundant Power Inputs	12-58VDC	44-57VDC	
Max Power consumption	10W	250W	
Input polarity protection	Yes		
Case	IP40 aluminum case		
Cooling	Natural cooling, no fan design		
Dimensions (H * D * W)	158 * 115 * 54mm		
Weight	~1500g		
Mounting	Din-rail / Wallmount		
Certifications			
Standards	Surge protection for power ports: 6KV/4KV (EN 61000-4-5)		
	Surge protection for Ethernet ports: 6KV/2KV (EN 61000-4-5)		
	Vibration: IEC 60068-2-6:2007		
	Shock: IEC 60068-2-27:2008		
	Free fall: IEC 60068-2-32:1975		
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
	FCC Part 15, Subpart B:2016, ANSI C63.4:2014		
	RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102		

ORDERING INFORMATION

Model name	Description
SUG1620-D3	Unmanaged Industrial Switch 16*10/100/1000Base-TX RJ45 and 2*1000Base-X SFP ports, redundant 12-58VDC inputs, Din-Rail
SUG1620P-D3	Unmanaged Industrial Switch 16*10/100/1000Base-TX RJ45 PoE and 2*1000Base-X SFP ports, redundant 44-57VDC inputs, Din-Rail

OTHER

SFP modules and Power supplies are not included and to be purchased separately

Vikings Technology Co. Ltd.

www.vikingstechnology.com

sales@vikingstechnology.com



Last update 2025 March. Product specifications and availability are subject to change without further notice



ikings Technology

SUF600CP series

Unmanaged Ethernet Switch

KEY FEATURES

- 4*10/100Base-TX RJ45 PoE and 2*10/100Base-TX RJ45 uplink ports
- Extended PoE and Ethernet transmission up to 250 meters
- Supports IEEE 802.3af/at PoE, up to 30W per port
- Electric up to 4KV surge protection
- Inbuilt AC/DC Power supply
- Metal compact case, no fan design
- Standalone or Wallmount
- 3 years warranty



INTRODUCTION

The SUF600CP-S8 Ethernet Switch comes with 4 * 10/100Mbps RJ45 PoE and 2*10/100Mbps RJ45 uplink ports. 1-4 ports provides PoE as Power Sourcing Equipment (PSE) up to 30W per port, with total 72W PoE budget. Inbuilt PoE & Ethernet extender function allows signals to be transmitted & received up to 250meters. Housed in compact metal enclosure, with inbuilt power supply, no fan design and PoE ports makes those Ethernet switches a perfect choice for small video surveillance and other installations.

SPECIFICATIONS

Model	SUF600CP-S8
Ports	
RJ45 ports and speed	6 * 10/100Base-TX
Fiber ports and speed	n/a
DIP switch	250m Extended Ethernet (ports 1-4)
Ethernet	
Processing type	Store and Forward
Switching Bandwidth	1.2Gbps
Packet Forwarding	0.89Mpps
Packet Buffer	448Kb
MAC Address Table	1K

Model	SUF600CP-S8
PoE	Ports 1-4: IEEE 802.3af/at, max output 30W per port (72W Total)
Standards	IEEE802.3, IEEE802.3u, IEEE802.3x
Environmental	
Operating Temperature	0°C ~ +50°C
Storage Temperature	-20°C ~ +70°C
Relative Humidity	0 ~ 90% non-condensing
MTBF	410.000h
Electrical and Physical	
Power Input	100~240VAC
Max Power consumption	78W (6W without PoE)
Case	Metal case
Cooling	Natural cooling, no fan design
Dimensions (H * D * W)	45 * 140 * 202mm
Weight	~1kg
Mounting	Standalone / Wallmount
Certifications	
Standards	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020 EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01 EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023 CE 2014/35/EU LVD, EN IEC 62368-1:2024 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102

ORDERING INFORMATION

Model name	Description
SUF600CP-S8	Unmanaged Switch 4*10/100Base-TX RJ45 PoE and 2*10/100Base-TX RJ45 uplink ports, 100~240VAC input, Standalone



ikings Technology

SUF1010CP series

Unmanaged Ethernet Switch

KEY FEATURES

- 8*10/100Base-TX RJ45 PoE and 2*10/100/1000Base-TX RJ45 uplink and 1*1000Base-X SFP ports
- Extended PoE and Ethernet transmission up to 250 meters
- Supports IEEE 802.3af/at PoE, up to 30W per port
- Electric up to 4KV surge protection
- Inbuilt AC/DC Power supply
- Metal compact case, no fan design
- Standalone or Wallmount
- 3 years warranty



INTRODUCTION

The SUF1010CP-S8 Ethernet Switch comes with 8 * 10/100Mbps RJ45 PoE and 2*10/100/1000Mbps RJ45 uplink and 1 * 1000Base-X SFP ports. 1-8 ports provides PoE as Power Sourcing Equipment (PSE) up to 30W per port, with total 140W PoE budget. Inbuilt PoE & Ethernet extender function allows signals to be transmitted & received up to 250meters. Housed in compact metal enclosure, with inbuilt power supply, no fan design and PoE ports makes those Ethernet switches a perfect choice for small video surveillance and other installations.

SPECIFICATIONS

Model	SUF1010CP-S8
Ports	
RJ45 ports and speed	8 * 10/100Base-TX 2 * 10/100/1000Base-TX
Fiber ports and speed	1 * 1000Base-X SFP
DIP switch	250m Extended Ethernet (ports 1-8)
Ethernet	
Processing type	Store and Forward
Switching Bandwidth	5.6Gbps
Packet Forwarding	4.166Mpps
Packet Buffer	1Mb
MAC Address Table	2K

Unmanaged Switches

Model	SUF1010CP-S8
PoE	Ports 1-8: IEEE 802.3af/at, max output 30W per port (140W Total)
Standards	IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab, IEEE802.3z
Environmental	
Operating Temperature	0°C ~ +50°C
Storage Temperature	-20°C ~ +70°C
Relative Humidity	0 ~ 90% non-condensing
MTBF	410.000h
Electrical and Physical	
Power Input	100~240VAC
Max Power consumption	150W (10W without PoE)
Case	Metal case
Cooling	Natural cooling, no fan design
Dimensions (H * D * W)	45 * 140 * 202mm
Weight	~1.1kg
Mounting	Standalone / Wallmount
Certifications	
Standards	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020 EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01 EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023 CE 2014/35/EU LVD, EN IEC 62368-1:2024 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102

ORDERING INFORMATION

Model name	Description
SUF1010CP-S8	Unmanaged Switch 8*10/100Base-TX RJ45 PoE and 2*10/100/1000Base-TX RJ45 uplink and 1*1000Base-X SFP ports, 100~240VAC input, Standalone

OTHER

SFP modules are not included and to be purchased separately



ikings Technology

SUF1810CP series

Unmanaged Ethernet Switch

KEY FEATURES

- 16*10/100Base-TX RJ45 PoE and 2*10/100/1000Base-TX RJ45 uplink and 1*1000Base-X SFP ports
- Extended PoE and Ethernet transmission up to 250 meters
- Supports IEEE 802.3af/at PoE, up to 30W per port
- Electric up to 4KV surge protection
- Inbuilt AC/DC Power supply
- Metal compact case, no fan design
- Standalone or Wallmount
- 3 years warranty



INTRODUCTION

The SUF1810CP-S9 Ethernet Switch comes with 16 * 10/100Mbps RJ45 PoE and 2*10/100/1000Mbps RJ45 uplink and 1 * 1000Base-X SFP ports. 1-16 ports provides PoE as Power Sourcing Equipment (PSE) up to 30W per port, with total 284W PoE budget. Inbuilt PoE & Ethernet extender function allows signals to be transmitted & received up to 250meters. Housed in compact metal enclosure, with inbuilt power supply, no fan design and PoE ports makes those Ethernet switches a perfect choice for small video surveillance and other installations.

SPECIFICATIONS

Model	SUF1810CP-S9
Ports	
RJ45 ports and speed	16 * 10/100Base-TX 2 * 10/100/1000Base-TX
Fiber ports and speed	1 * 1000Base-X SFP
DIP switch	250m Extended Ethernet (ports 1-16)
Ethernet	
Processing type	Store and Forward
Switching Bandwidth	9.2Gbps
Packet Forwarding	6.84Mpps
Packet Buffer	1Mb
MAC Address Table	2K

Model	SUF1810CP-S9
PoE	Ports 1-16: IEEE 802.3af/at, max output 30W per port (284W Total)
Standards	IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab, IEEE802.3z
Environmental	
Operating Temperature	0°C ~ +50°C
Storage Temperature	-20°C ~ +70°C
Relative Humidity	0 ~ 90% non-condensing
MTBF	410.000h
Electrical and Physical	
Power Input	100~240VAC
Max Power consumption	300W (16W without PoE)
Case	Metal case
Cooling	Natural cooling, no fan design
Dimensions (H * D * W)	45 * 183 * 310mm
Weight	~2.2kg
Mounting	Standalone
Certifications	
Standards	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020 EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01 EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023 CE 2014/35/EU LVD, EN IEC 62368-1:2024 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102

ORDERING INFORMATION

Model name	Description
SUF1810CP-S9	Unmanaged Switch 16*10/100Base-TX RJ45 PoE and 2*10/100/1000Base-TX RJ45 uplink and 1*1000Base-X SFP ports, 100~240VAC input, Standalone

OTHER

SFP modules are not included and to be purchased separately



ikings Technology

SUF2620CP series

Unmanaged Ethernet Switch

KEY FEATURES

- 24*10/100Base-TX RJ45 PoE and 2*10/100/1000Base-TX RJ45 uplink and 2*1000Base-X SFP ports
- Extended PoE and Ethernet transmission up to 250 meters
- Supports IEEE 802.3af/at PoE, up to 30W per port
- Electric up to 4KV surge protection
- Inbuilt AC/DC Power supply
- Metal case, no fan design
- 19" Rack mountable, 1U height
- 3 years warranty



INTRODUCTION

The SUF2620CP-1U Ethernet Switch comes with 24 * 10/100Mbps RJ45 PoE and 2*10/100/1000Mbps RJ45 uplink and 2 * 1000Base-X SFP ports. 1-24 ports provides PoE as Power Sourcing Equipment (PSE) up to 30W per port, with total 280W PoE budget. Inbuilt PoE & Ethernet extender function allows signals to be transmitted & received up to 250meters. Housed in metal case, with inbuilt power supply, no fan design and PoE ports makes those Ethernet switches a perfect choice for video surveillance and other installations.

SPECIFICATIONS

Model	SUF2620CP-1U
Ports	
RJ45 ports and speed	24 * 10/100Base-TX 2 * 10/100/1000Base-TX
Fiber ports and speed	2 * 1000Base-X SFP
DIP switch	250m Extended Ethernet (ports 1-24)
Ethernet	
Processing type	Store and Forward
Switching Bandwidth	12.8Gbps
Packet Forwarding	9.52Mpps
Packet Buffer	1Mb
MAC Address Table	2K

Model	SUF2620CP-1U
PoE	Ports 1-24: IEEE 802.3af/at, max output 30W per port (280W Total)
Standards	IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab, IEEE802.3z
Environmental	
Operating Temperature	0°C ~ +50°C
Storage Temperature	-20°C ~ +70°C
Relative Humidity	0 ~ 90% non-condensing
MTBF	470.000h
Electrical and Physical	
Power Input	100~240VAC
Max Power consumption	300W (20W without PoE)
Case	Metal case
Cooling	Natural cooling, no fan design
Dimensions (H * D * W)	45 * 192 * 440mm
Weight	~3kg
Mounting	19" Rack mountable, 1U height
Certifications	
Standards	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020 EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01 EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023 CE 2014/35/EU LVD, EN IEC 62368-1:2024 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102

ORDERING INFORMATION

Model name	Description
SUF2620CP-1U	Unmanaged Switch 24*10/100Base-TX RJ45 PoE and 2*10/100/1000Base-TX RJ45 uplink and 2*1000Base-X SFP ports, 100~240VAC input, Rack mount

OTHER

SFP modules are not included and to be purchased separately



ikings Technology

SUG420CP series

Unmanaged Ethernet Switch

KEY FEATURES

- 4*10/100/1000Base-TX RJ45 PoE and 2*1000Base-X SFP ports
- Supports IEEE 802.3af/at PoE, up to 30W per port
- 12Gbs Switching bandwidth
- Electric up to 4KV surge protection
- Inbuilt AC/DC Power supply
- Metal compact case, no fan design
- Standalone or Wallmount
- 3 years warranty



INTRODUCTION

The SUG420CP-S8 Ethernet Switch comes with 4 * 10/100/1000Mbps RJ45 PoE and 2 * 1000Base-X SFP ports. All 4 RJ45 ports provides PoE as Power Sourcing Equipment (PSE) up to 30W per port, with total 68W PoE budget. High, 12Gbps Switching bandwidth ensures seamless switch performance on it's all 6 ports at maximum speed without any delays. Housed in compact metal enclosure, with inbuilt power supply, no fan design and PoE ports makes those Ethernet switches a perfect choice for small video surveillance and other installations.

SPECIFICATIONS

Model	SUG420CP-S8
Ports	
RJ45 ports and speed	4 * 10/100/1000Base-TX
Fiber ports and speed	2 * 1000Base-X SFP
DIP switch	n/a
Ethernet	
Processing type	Store and Forward
Switching Bandwidth	12Gbps
Packet Forwarding	8.92Mpps
Packet Buffer	1Mb
MAC Address Table	2K

Unmanaged Switches

Model	SUG420CP-S8
PoE	Ports 1-4: IEEE 802.3af/at, max output 30W per port (68W Total)
Standards	IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab, IEEE802.3z
Environmental	
Operating Temperature	0°C ~ +50°C
Storage Temperature	-20°C ~ +70°C
Relative Humidity	0 ~ 90% non-condensing
MTBF	410.000h
Electrical and Physical	
Power Input	100~240VAC
Max Power consumption	78W (10W without PoE)
Case	Metal case
Cooling	Natural cooling, no fan design
Dimensions (H * D * W)	45 * 140 * 202mm
Weight	~1kg
Mounting	Standalone / Wallmount
Certifications	
Standards	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020 EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01 EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023 CE 2014/35/EU LVD, EN IEC 62368-1:2024 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102

ORDERING INFORMATION

Model name	Description
SUG420CP-S8	Unmanaged Switch 4*10/100/1000Base-TX RJ45 PoE and 2*1000Base-X SFP ports, 100~240VAC input, Standalone

OTHER

SFP modules are not included and to be purchased separately



ikings Technology

SUG1020CP series

Unmanaged Ethernet Switch

KEY FEATURES

- 8*10/100/1000Base-TX RJ45 PoE and 2*10/100/1000Base-TX RJ45 uplink and 2*1000Base-X SFP ports
- Extended PoE and Ethernet transmission up to 250 meters
- Supports IEEE 802.3af/at PoE, up to 30W per port
- Electric up to 4KV surge protection
- Inbuilt AC/DC Power supply
- Metal compact case, no fan design
- Standalone or Wallmount
- 3 years warranty



INTRODUCTION

The SUG1020CP-S8 Ethernet Switch comes with 8 * 10/100/1000Mbps RJ45 PoE and 2*10/100/1000Mbps RJ45 uplink and 2 * 1000Base-X SFP ports. 1-8 ports provides PoE as Power Sourcing Equipment (PSE) up to 30W per port, with total 136W PoE budget. Inbuilt PoE & Ethernet extender function allows signals to be transmitted & received up to 250meters. High, 24Gbps Switching bandwidth ensures seamless switch performance on it's all 12 ports at maximum speed without any delays. Housed in compact metal enclosure, with inbuilt power supply, no fan design and PoE ports makes those Ethernet switches a perfect choice for small video surveillance and other installations.

SPECIFICATIONS

Model	SUG1020CP-S8
Ports	
RJ45 ports and speed	10 * 10/100/1000Base-TX
Fiber ports and speed	2 * 1000Base-X SFP
DIP switch	250m Extended Ethernet (ports 1-8)
Ethernet	
Processing type	Store and Forward
Switching Bandwidth	24Gbps
Packet Forwarding	17.85Mpps
Packet Buffer	1Mb
MAC Address Table	2K

Model	SUG1020CP-S8
PoE	Ports 1-8: IEEE 802.3af/at, max output 30W per port (136W Total)
Standards	IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab, IEEE802.3z
Environmental	
Operating Temperature	0°C ~ +50°C
Storage Temperature	-20°C ~ +70°C
Relative Humidity	0 ~ 90% non-condensing
MTBF	410.000h
Electrical and Physical	
Power Input	100~240VAC
Max Power consumption	150W (14W without PoE)
Case	Metal case
Cooling	Natural cooling, no fan design
Dimensions (H * D * W)	45 * 140 * 202mm
Weight	~1.1kg
Mounting	Standalone / Wallmount
Certifications	
Standards	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020 EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01 EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023 CE 2014/35/EU LVD, EN IEC 62368-1:2024 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102

ORDERING INFORMATION

Model name	Description
SUG1020CP-S8	Unmanaged Switch 8*10/100/1000Base-TX RJ45 PoE and 2*10/100/1000Base-TX RJ45 uplink and 2*1000Base-X SFP ports, 100~240VAC input, Standalone

OTHER

SFP modules are not included and to be purchased separately



ikings Technology

SUG1810CP series

Unmanaged Ethernet Switch

KEY FEATURES

- 16*10/100/1000Base-TX RJ45 PoE and 2*10/100/1000Base-TX RJ45 uplink and 1*1000Base-X SFP ports
- Extended PoE and Ethernet transmission up to 250 meters
- Supports IEEE 802.3af/at PoE, up to 30W per port
- 38Gbs Switching bandwidth
- Electric up to 4KV surge protection
- Inbuilt AC/DC Power supply
- Metal compact case, no fan design
- Standalone or Wallmount
- 3 years warranty



INTRODUCTION

The SUG1810CP-S9 Ethernet Switch comes with 16 * 10/100/1000Mbps RJ45 PoE and 2*10/100/1000Mbps RJ45 uplink and 1 * 1000Base-X SFP ports. 1-16 ports provides PoE as Power Sourcing Equipment (PSE) up to 30W per port, with total 280W PoE budget. Inbuilt PoE & Ethernet extender function allows signals to be transmitted & received up to 250meters. High, 38Gbps Switching bandwidth ensures seamless switch performance on it's all 19 ports at maximum speed without any delays. Housed in compact metal enclosure, with inbuilt power supply, no fan design and PoE ports makes those Ethernet switches a perfect choice for small to medium scale video surveillance and other installations.

SPECIFICATIONS

Model	SUG1810CP-S9
Ports	
RJ45 ports and speed	18 * 10/100/1000Base-TX
Fiber ports and speed	1 * 1000Base-X SFP
DIP switch	250m Extended Ethernet (ports 1-16)
Ethernet	
Processing type	Store and Forward
Switching Bandwidth	38Gbps
Packet Forwarding	28.27Mpps
Packet Buffer	1Mb
MAC Address Table	2K

Model	SUG1810CP-S9
PoE	Ports 1-16: IEEE 802.3af/at, max output 30W per port (280W Total)
Standards	IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab, IEEE802.3z
Environmental	
Operating Temperature	0°C ~ +50°C
Storage Temperature	-20°C ~ +70°C
Relative Humidity	0 ~ 90% non-condensing
MTBF	410.000h
Electrical and Physical	
Power Input	100~240VAC
Max Power consumption	300W (20W without PoE)
Case	Metal case
Cooling	Natural cooling, no fan design
Dimensions (H * D * W)	45 * 183 * 310mm
Weight	~2.2kg
Mounting	Standalone
Certifications	
Standards	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020 EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01 EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023 CE 2014/35/EU LVD, EN IEC 62368-1:2024 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102

ORDERING INFORMATION

Model name	Description
SUG1810CP-S9	Unmanaged Switch 16*10/100/1000Base-TX RJ45 PoE and 2*10/100/1000Base-TX RJ45 uplink and 1*1000Base-X SFP ports, 100~240VAC input, Standalone

OTHER

SFP modules are not included and to be purchased separately



ikings Technology

SUG2620CP series

Unmanaged Ethernet Switch

KEY FEATURES

- 24*10/100/1000Base-TX RJ45 PoE and 2*10/100/1000Base-TX RJ45 uplink and 2*1000Base-X SFP ports
- Supports IEEE 802.3af/at PoE, up to 30W per port
- 56Gbps Switching bandwidth
- Electric up to 4KV surge protection
- Inbuilt AC/DC Power supply
- Metal case, no fan design
- 19" Rack mountable, 1U height
- 3 years warranty



INTRODUCTION

The SUG2620CP-1U Ethernet Switch comes with 24 * 10/100/1000Mbps RJ45 PoE and 2*10/100/1000Mbps RJ45 uplink and 2 * 1000Base-X SFP ports. 1-24 ports provides PoE as Power Sourcing Equipment (PSE) up to 30W per port, with total 276W PoE budget. High, 56Gbps Switching bandwidth ensures seamless switch performance on it's all 28 ports at maximum speed without any delays. Housed in metal case, with inbuilt power supply, no fan design and all gigabit ports makes those Ethernet switches a perfect choice for medium scale video surveillance and other installations.

SPECIFICATIONS

Model	SUG2620CP-1U
Ports	
RJ45 ports and speed	26 * 10/100/1000Base-TX
Fiber ports and speed	2 * 1000Base-X SFP
DIP switch	n/a
Ethernet	
Processing type	Store and Forward
Switching Bandwidth	56Gbps
Packet Forwarding	41.66Mpps
Packet Buffer	4.1Mb
MAC Address Table	8K

Model	SUG2620CP-1U
PoE	Ports 1-24: IEEE 802.3af/at, max output 30W per port (276W Total)
Standards	IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab, IEEE802.3z
Environmental	
Operating Temperature	0°C ~ +50°C
Storage Temperature	-20°C ~ +70°C
Relative Humidity	0 ~ 90% non-condensing
MTBF	470.000h
Electrical and Physical	
Power Input	100~240VAC
Max Power consumption	300W (24W without PoE)
Case	Metal case
Cooling	Natural cooling, no fan design
Dimensions (H * D * W)	45 * 192 * 440mm
Weight	~3kg
Mounting	19" Rack mountable, 1U height
Certifications	
Standards	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020 EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01 EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023 CE 2014/35/EU LVD, EN IEC 62368-1:2024 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102

ORDERING INFORMATION

Model name	Description
SUG2620CP-1U	Unmanaged Switch 24*10/100/1000Base-TX RJ45 PoE and 2*10/100/1000Base-TX RJ45 uplink and 2*1000Base-X SFP ports, 100~240VAC input, Rack mount

OTHER

SFP modules are not included and to be purchased separately



KEY FEATURES

- 4*10/100/1000Base-TX RJ45 and 1*1000Base-X SFP ports
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Extended PoE and Ethernet transmission up to 250 meters
- Smart PoE management - PoE watchdog
- ERPS support with recovery time <50ms
- Electric up to 4KV surge protection
- Operating temperature from -40°C to +75°C
- Redundant and wide power input range with input polarity protection
- Compact aluminum case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The SMG410 series Industrial grade Layer 2 Managed Ethernet Switch comes with 4 * 10/100/1000Mbps RJ45 and 1 * 1000Base-X SFP ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 30W each port. Smart PoE management allows user to remotely reboot ports and enable PoE watchdog - auto reboot of not responding PoE devices. With in-built Ethernet extender function, signals on copper port can be transmitted & received up to 250meters from remote device, at the same time supplying PoE power. Ethernet Ring Protection Switching (ERPS) ensures ultra fast recovery time of less than 50ms. Housed in rugged aluminum Din-rail or wall-mountable IP40 enclosure, no fan design with extreme temperatures operation, makes those Managed Switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SMG410-D1	SMG410P-D1
Ports		
RJ45 ports and speed	4 * 10/100/1000Base-TX	
Fiber ports and speed	1 * 1000Base-X SFP	
Management ports	1 * RJ45 Console	

Model	SMG410-D1	SMG410P-D1
Ethernet		
Processing type	Store and Forward	
Switching Bandwidth	10Gbps	
Packet Forwarding	14.8Mpps	
Max Packet Length	10KB	
Packet Buffer	1Mb	
MAC Address Table	8K	
PoE	n/a	Ports 1-4: IEEE 802.3af/at, max output 30W per port (120W Total)
Supported Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3x, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q IEEE802.1X, IEEE 802.1ab, IEEE 802.3ad, ITU-T G.8032	
L2 Management		
Port Features	Static & Dynamic aggregation IEEE802.3x flow control Traffic statistics Port isolation Network storm suppression based on port bandwidth Many to one port mirroring	
VLAN	Supports Access, Trunk and Hybrid modes	
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS	
Multicast	IGMP snooping V1/V2/V3	
QoS	Ingress/Egress port based rate limit	
Security	Support 802.1x Port authentication MAC authentication RADIUS service	
Management & Maintenance	Web based management SNMP V1/V2C/V3 Telnet/SSH server LLDP RMON alarm NTP Ping Tracert TFTP client IPv6 PoE Management	

Model	SMG410-D1		SMG410P-D1
Environmental			
Operating Temperature	-40°C ~ +75°C		
Storage Temperature	-40°C ~ +85°C		
Relative Humidity	5 ~ 90% non-condensing		
MTBF	590.000h		
Electrical and Physical			
Redundant Power Inputs	12-58VDC	44-57VDC	
Max Power consumption	6W	126W	
Input polarity protection	Yes		
Case	IP40 aluminum case		
Cooling	Natural cooling, no fan design		
Dimensions (H * D * W)	130 * 98 * 30mm		
Weight	~0.6kg		
Mounting	Din-rail / Wallmount		
Certifications			
Standards	Surge protection for power ports: 4KV/2KV (EN 61000-4-5)		
	Surge protection for Ethernet ports: 4KV/2KV (EN 61000-4-5)		
	Vibration: IEC 60068-2-6:2007		
	Shock: IEC 60068-2-27:2008		
	Free fall: IEC 60068-2-32:1975		
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
	FCC Part 15, Subpart B:2016, ANSI C63.4:2014		
	RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102		

ORDERING INFORMATION

Model name	Description
SMG410-D1	Managed L2 Industrial Switch 4*10/100/1000Base-TX RJ45 and 1*1000Base-X SFP ports, redundant 12-58VDC inputs, Din-Rail
SMG410P-D1	Managed L2 Industrial Switch 4*10/100/1000Base-TX RJ45 PoE and 1*1000Base-X SFP ports, redundant 44-57VDC inputs, Din-Rail

OTHER

SFP modules and Power supplies are not included and to be purchased separately

Vikings Technology Co. Ltd.

www.vikingstechnology.com


sales@vikingstechnology.com

Last update 2025 March. Product specifications and availability are subject to change without further notice

KEY FEATURES

- 4*10/100/1000Base-TX RJ45 and 2*1000Base-X SFP ports
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Extended PoE and Ethernet transmission up to 250 meters
- Smart PoE management - PoE watchdog
- ERPS support with recovery time <50ms
- Electric up to 4KV surge protection
- Operating temperature from -40°C to +75°C
- Redundant and wide power input range with input polarity protection
- Compact aluminum case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The SMG420 series Industrial grade Layer 2 Managed Ethernet Switch comes with 4 * 10/100/1000Mbps RJ45 and 2 * 1000Base-X SFP ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 30W each port. Smart PoE management allows user to remotely reboot ports and enable PoE watchdog - auto reboot of not responding PoE devices. With in-built Ethernet extender function, signals on copper port can be transmitted & received up to 250meters from remote device, at the same time supplying PoE power. Ethernet Ring Protection Switching (ERPS) ensures ultra fast recovery time of less than 50ms. Housed in rugged aluminum Din-rail or wall-mountable IP40 enclosure, no fan design with extreme temperatures operation, makes those Managed Switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SMG420-D1	SMG420P-D1
Ports		
RJ45 ports and speed	4 * 10/100/1000Base-TX	
Fiber ports and speed	2 * 1000Base-X SFP	
Management ports	1 * RJ45 Console	

Model	SMG420-D1	SMG420P-D1
Ethernet		
Processing type	Store and Forward	
Switching Bandwidth	12Gbps	
Packet Forwarding	17.8Mpps	
Max Packet Length	10KB	
Packet Buffer	1Mb	
MAC Address Table	8K	
PoE	n/a	Ports 1-4: IEEE 802.3af/at, max output 30W per port (120W Total)
Supported Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3x, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q IEEE802.1X, IEEE 802.1ab, IEEE 802.3ad, ITU-T G.8032	
L2 Management		
Port Features	Static & Dynamic aggregation IEEE802.3x flow control Traffic statistics Port isolation Network storm suppression based on port bandwidth Many to one port mirroring	
VLAN	Supports Access, Trunk and Hybrid modes	
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS	
Multicast	IGMP snooping V1/V2/V3	
QoS	Ingress/Egress port based rate limit	
Security	Support 802.1x Port authentication MAC authentication RADIUS service	
Management & Maintenance	Web based management SNMP V1/V2C/V3 Telnet/SSH server LLDP RMON alarm NTP Ping Tracert TFTP client IPv6 PoE Management	

Model	SMG420-D1		SMG420P-D1
Environmental			
Operating Temperature	-40°C ~ +75°C		
Storage Temperature	-40°C ~ +85°C		
Relative Humidity	5 ~ 90% non-condensing		
MTBF	590.000h		
Electrical and Physical			
Redundant Power Inputs	12-58VDC	44-57VDC	
Max Power consumption	6W	126W	
Input polarity protection	Yes		
Case	IP40 aluminum case		
Cooling	Natural cooling, no fan design		
Dimensions (H * D * W)	130 * 98 * 30mm		
Weight	~0.6kg		
Mounting	Din-rail / Wallmount		
Certifications			
Standards	Surge protection for power ports: 4KV/2KV (EN 61000-4-5)		
	Surge protection for Ethernet ports: 4KV/2KV (EN 61000-4-5)		
	Vibration: IEC 60068-2-6:2007		
	Shock: IEC 60068-2-27:2008		
	Free fall: IEC 60068-2-32:1975		
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
	FCC Part 15, Subpart B:2016, ANSI C63.4:2014		
	RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102		

ORDERING INFORMATION

Model name	Description
SMG420-D1	Managed L2 Industrial Switch 4*10/100/1000Base-TX RJ45 and 2*1000Base-X SFP ports, redundant 12-58VDC inputs, Din-Rail
SMG420P-D1	Managed L2 Industrial Switch 4*10/100/1000Base-TX RJ45 PoE and 2*1000Base-X SFP ports, redundant 44-57VDC inputs, Din-Rail

OTHER

SFP modules and Power supplies are not included and to be purchased separately

Vikings Technology Co. Ltd.

www.vikingstechnology.com


sales@vikingstechnology.com

Last update 2025 March. Product specifications and availability are subject to change without further notice



KEY FEATURES

- 8*10/100/1000Base-TX RJ45 and 2*1/2.5GBase-X SFP ports
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Extended PoE and Ethernet transmission up to 250 meters
- Smart PoE management - PoE watchdog
- ERPS support with recovery time <50ms
- Electric up to 4KV surge protection
- Operating temperature from -40°C to +75°C
- Redundant and wide power input range with input polarity protection
- Compact aluminum case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The SMG820 series Industrial grade Layer 2 Managed Ethernet Switch comes with 8 * 10/100/1000Mbps RJ45 and 2 * 1/2.5GBase-X SFP ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 30W each port. Smart PoE management allows user to remotely reboot ports and enable PoE watchdog - auto reboot of not responding PoE devices. With in-built Ethernet extender function, signals on copper port can be transmitted & received up to 250meters from remote device, at the same time supplying PoE power. Ethernet Ring Protection Switching (ERPS) ensures ultra fast recovery time of less than 50ms. Housed in rugged aluminum Din-rail or wall-mountable IP40 enclosure, no fan design with extreme temperatures operation, makes those Managed Switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SMG820-D2	SMG820P-D2
Ports		
RJ45 ports and speed	8 * 10/100/1000Base-TX	
Fiber ports and speed	2 * 1/2.5GBase-X SFP	
Management ports	1 * RJ45 Console	

Model	SMG820-D2	SMG820P-D2
Ethernet		
Processing type	Store and Forward	
Switching Bandwidth	26Gbps	
Packet Forwarding	38.6Mpps	
Max Packet Length	10KB	
Packet Buffer	2Mb	
MAC Address Table	16K	
PoE	n/a	Ports 1-8: IEEE 802.3af/at, max output 30W per port (240W Total)
Supported Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3x, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q IEEE802.1X, IEEE 802.1ab, IEEE 802.3ad, ITU-T G.8032	
L2 Management		
Port Features	Static & Dynamic aggregation 1G/2.5G aggregation IEEE802.3x flow control Traffic statistics Port isolation Network storm suppression based on port bandwidth Many to one port mirroring	
VLAN	Supports Access, Trunk and Hybrid modes	
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS	
Multicast	IGMP snooping V1/V2/V3	
QoS	Ingress/Egress port based rate limit	
Security	Support 802.1x Port authentication MAC authentication RADIUS service	
Management & Maintenance	Web based management SNMP V1/V2C/V3 Telnet/SSH server LLDP RMON alarm NTP Ping Tracert TFTP client IPv6 PoE Management	

Model	SMG820-D2		SMG820P-D2
Environmental			
Operating Temperature	-40°C ~ +75°C		
Storage Temperature	-40°C ~ +85°C		
Relative Humidity	5 ~ 90% non-condensing		
MTBF	590.000h		
Electrical and Physical			
Redundant Power Inputs	12-58VDC	44-57VDC	
Max Power consumption	10W	250W	
Input polarity protection	Yes		
Case	IP40 aluminum case		
Cooling	Natural cooling, no fan design		
Dimensions (H * D * W)	130 * 98 * 48mm		
Weight	~700g		
Mounting	Din-rail / Wallmount		
Certifications			
Standards	Surge protection for power ports: 4KV/2KV (EN 61000-4-5)		
	Surge protection for Ethernet ports: 4KV/2KV (EN 61000-4-5)		
	Vibration: IEC 60068-2-6:2007		
	Shock: IEC 60068-2-27:2008		
	Free fall: IEC 60068-2-32:1975		
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
FCC Part 15, Subpart B:2016, ANSI C63.4:2014			
RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102			

ORDERING INFORMATION

Model name	Description
SMG820-D2	Managed L2 Industrial Switch 8*10/100/1000Base-TX RJ45 and 2*1/2.5GBase-X SFP ports, redundant 12-58VDC inputs, Din-Rail
SMG820P-D2	Managed L2 Industrial Switch 8*10/100/1000Base-TX RJ45 PoE and 2*1/2.5GBase-X SFP ports, redundant 44-57VDC inputs, Din-Rail

OTHER

SFP modules and Power supplies are not included and to be purchased separately



Vikings Technology Co. Ltd.

www.vikingstechnology.com

sales@vikingstechnology.com

Last update 2025 March. Product specifications and availability are subject to change without further notice

KEY FEATURES

- 8*10/100/1000Base-TX RJ45 and 2*1/2.5GBase-X SFP ports
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Extended PoE and Ethernet transmission up to 250 meters
- Up to 90W per port PoE++ support, IEEE 802.3af/at/bt compatible
- Smart PoE management - PoE watchdog
- ERPS support with recovery time <50ms
- Electric up to 6KV surge protection
- USB port for configuration and upgrading
- Support Digital Input, Relay Output and RS485 data
- Operating temperature from -40°C to +75°C
- Redundant and wide power input range with input polarity protection
- Aluminum case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The SMG820 series Industrial grade Layer 2+ Managed Ethernet Switch comes with 8 * 10/100/1000Mbps RJ45 and 2 * 1/2.5GBase-X SFP ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 90W per port, IEEE 802.3af/at/bt compatible. Smart PoE management allows user to remotely reboot ports and enable PoE watchdog - auto reboot of not responding PoE devices. With in-built Ethernet extender function, signals on copper port can be transmitted & received up to 250meters from remote device, at the same time supplying PoE power. Extra management features as well USB port for one key configuration and DI/Relay Output, RS485 Data IO ports. Ethernet Ring Protection Switching (ERPS) ensures ultra fast recovery time of less than 50ms. Housed in rugged aluminum Din-rail or wall-mountable IP40 enclosure, no fan design with extreme temperatures operation, makes those Managed Switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SMG820-D3	SMG820P-D3
Ports		
RJ45 ports and speed	8 * 10/100/1000Base-TX	
Fiber ports and speed	2 * 1/2.5GBase-X SFP	
Management ports	1 * RJ45 Console 1 * USB 2.0	
I/O ports	1 * DI (Digital Input, max 30V/8mA) 1 * Relay Output (NO/NC, max 2A@30VDC, 0.3A@125VAC) 1 * RS485 (max 460.8kbps) 1 * 5VDC Output (max 0.2A)	

Model	SMG820-D3	SMG820P-D3
Ethernet		
Switching Bandwidth	26Gbps	
Packet Forwarding	38.6Mpps	
Max Packet Length	10KB	
Packet Buffer	12Mb	
MAC Address Table	16K	
PoE	Not supported	Ports 1-2: IEEE 802.3af/at/bt, up to 90W per port Ports 3-8: IEEE 802.3af/at, up to 30W per port 240W Total
Supported Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3x, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q IEEE802.1X, IEEE 802.1ab, IEEE 802.3ad, ITU-T G.8032	
L2 Management		
Port Features	Static & Dynamic aggregation, 1G/2.5G aggregation IEEE802.3x flow control, Traffic statistics, Port isolation Network storm suppression based on port bandwidth Many to one port mirroring	
VLAN	Supports Access, Trunk and Hybrid modes	
VLAN Classification	Mac Based, IP Based, Protocol Based	
QinQ	Port-based, VLAN-based, Flow-based	
DHCP	Support DHCP client & DHCP snooping	
ACL	IP Standard, MAC extend, IP extend	
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS, MSTP	
Multicast	IGMP snooping V1/V2/V3	
QoS	Supports QoS Class, Remarking, SP WRR queue scheduling Policy-based QoS Ingress/Egress port based rate limit	
Security	Supports 802.1x, Port authentication, MAC authentication, RADIUS service Supports Port-security, IP Source Guard, IP/Port/MAC binding ARP-check and ARP packet filtering for illegal users	
Management & Maintenance	Web based management, SNMP V1/V2C/V3, Telnet/SSH server LLDP, RMON alarm, NTP, Ping, Tracert, TFTP client, IPv6 PoE Management	
L3 Management		
ARP	ARP table aging	
IPv4/IPv6	Static routing	
DHCP	DHCP server	

Model	SMG820-D3		SMG820P-D3
Environmental			
Operating Temperature	-40°C ~ +75°C		
Storage Temperature	-40°C ~ +85°C		
Relative Humidity	5 ~ 90% non-condensing		
MTBF	590.000h		
Electrical and Physical			
Redundant Power Inputs	12-58VDC		44-57VDC
Max Power consumption	10W		250W
Input polarity protection	Yes		
Case	IP40 aluminum case		
Cooling	Natural cooling, no fan design		
Dimensions (H * D * W)	158 * 115 * 54mm		
Weight	~1.1kg		
Mounting	Din-rail / Wallmount		
Certifications			
Standards	Surge protection for power ports: 6KV/4KV (EN 61000-4-5)		
	Surge protection for Ethernet ports: 6KV/2KV (EN 61000-4-5)		
	Vibration: IEC 60068-2-6:2007		
	Shock: IEC 60068-2-27:2008		
	Free fall: IEC 60068-2-32:1975		
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
FCC Part 15, Subpart B:2016, ANSI C63.4:2014			
RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102			

ORDERING INFORMATION

Model name	Description
SMG820-D3	Managed L2+ Industrial Switch 8*10/100/1000Base-TX RJ45 and 2*1/2.5GBase-X SFP ports, DI/DO/RS485, USB, redundant 12-58VDC inputs, Din-Rail
SMG820P-D3	Managed L2+ Industrial Switch 8*10/100/1000Base-TX RJ45 PoE++ and 2*1/2.5GBase-X SFP ports, DI/DO/RS485, USB, redundant 44-57VDC inputs, Din-Rail

OTHER

SFP modules and Power supplies are not included and to be purchased separately



Vikings Technology Co. Ltd.

www.vikingstechnology.com

sales@vikingstechnology.com

Last update 2025 April. Product specifications and availability are subject to change without further notice



KEY FEATURES

- 8*10/100/1000Base-TX RJ45 and 4*1/2.5GBase-X SFP ports
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Extended PoE and Ethernet transmission up to 250 meters
- Up to 90W per port PoE++ support, IEEE 802.3af/at/bt compatible
- Smart PoE management - PoE watchdog
- ERPS support with recovery time <50ms
- Electric up to 6KV surge protection
- USB port for configuration and upgrading
- Support Digital Input, Relay Output and RS485 data
- Operating temperature from -40°C to +75°C
- Redundant and wide power input range with input polarity protection
- Aluminum case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The SMG840 series Industrial grade Layer 2+ Managed Ethernet Switch comes with 8 * 10/100/1000Mbps RJ45 and 4 * 1/2.5GBase-X SFP ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 90W per port, IEEE 802.3af/at/bt compatible. Smart PoE management allows user to remotely reboot ports and enable PoE watchdog - auto reboot of not responding PoE devices. With in-built Ethernet extender function, signals on copper port can be transmitted & received up to 250meters from remote device, at the same time supplying PoE power. Extra management features as well USB port for one key configuration and DI/Relay Output, RS485 Data IO ports. Ethernet Ring Protection Switching (ERPS) ensures ultra fast recovery time of less than 50ms. Housed in rugged aluminum Din-rail or wall-mountable IP40 enclosure, no fan design with extreme temperatures operation, makes those Managed Switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SMG840-D3	SMG840P-D3
Ports		
RJ45 ports and speed	8 * 10/100/1000Base-TX	
Fiber ports and speed	4 * 1/2.5GBase-X SFP	
Management ports	1 * RJ45 Console 1 * USB 2.0	
I/O ports	1 * DI (Digital Input, max 30V/8mA) 1 * Relay Output (NO/NC, max 2A@30VDC, 0.3A@125VAC) 1 * RS485 (max 460.8kbps) 1 * 5VDC Output (max 0.2A)	

Model	SMG840-D3		SMG840P-D3
Ethernet			
Switching Bandwidth	36Gbps		
Packet Forwarding	53.5Mpps		
Max Packet Length	10KB		
Packet Buffer	12Mb		
MAC Address Table	16K		
PoE	Not supported	Ports 1-2: IEEE 802.3af/at/bt, up to 90W per port Ports 3-8: IEEE 802.3af/at, up to 30W per port 240W Total	
Supported Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3x, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q IEEE802.1X, IEEE 802.1ab, IEEE 802.3ad, ITU-T G.8032		
L2 Management			
Port Features	Static & Dynamic aggregation, 1G/2.5G aggregation IEEE802.3x flow control, Traffic statistics, Port isolation Network storm suppression based on port bandwidth Many to one port mirroring		
VLAN	Supports Access, Trunk and Hybrid modes		
VLAN Classification	Mac Based, IP Based, Protocol Based		
QinQ	Port-based, VLAN-based, Flow-based		
DHCP	Support DHCP client & DHCP snooping		
ACL	IP Standard, MAC extend, IP extend		
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS, MSTP		
Multicast	IGMP snooping V1/V2/V3		
QoS	Supports QoS Class, Remarking, SP WRR queue scheduling Policy-based QoS Ingress/Egress port based rate limit		
Security	Supports 802.1x, Port authentication, MAC authentication, RADIUS service Supports Port-security, IP Source Guard, IP/Port/MAC binding ARP-check and ARP packet filtering for illegal users		
Management & Maintenance	Web based management, SNMP V1/V2C/V3, Telnet/SSH server LLDP, RMON alarm, NTP, Ping, Tracert, TFTP client, IPv6 PoE Management		
L3 Management			
ARP	ARP table aging		
IPv4/IPv6	Static routing		
DHCP	DHCP server		

Model	SMG840-D3	SMG840P-D3
Environmental		
Operating Temperature	-40°C ~ +75°C	
Storage Temperature	-40°C ~ +85°C	
Relative Humidity	5 ~ 90% non-condensing	
MTBF	590.000h	
Electrical and Physical		
Redundant Power Inputs	12-58VDC	44-57VDC
Max Power consumption	15W	255W
Input polarity protection	Yes	
Case	IP40 aluminum case	
Cooling	Natural cooling, no fan design	
Dimensions (H * D * W)	158 * 115 * 54mm	
Weight	~1.4kg	
Mounting	Din-rail / Wallmount	
Certifications		
Standards	Surge protection for power ports: 6KV/4KV (EN 61000-4-5)	
	Surge protection for Ethernet ports: 6KV/2KV (EN 61000-4-5)	
	Vibration: IEC 60068-2-6:2007	
	Shock: IEC 60068-2-27:2008	
	Free fall: IEC 60068-2-32:1975	
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020	
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01	
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012	
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023	
	CE 2014/35/EU LVD, EN IEC 62368-1:2024	
	FCC Part 15, Subpart B:2016, ANSI C63.4:2014	
	RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102	

ORDERING INFORMATION

Model name	Description
SMG840-D3	Managed L2+ Industrial Switch 8*10/100/1000Base-TX RJ45 and 4*1/2.5GBase-X SFP ports, DI/DO/RS485, USB, redundant 12-58VDC inputs, Din-Rail
SMG840P-D3	Managed L2+ Industrial Switch 8*10/100/1000Base-TX RJ45 PoE++ and 4*1/2.5GBase-X SFP ports, DI/DO/RS485, USB, redundant 44-57VDC inputs, Din-Rail

OTHER

SFP modules and Power supplies are not included and to be purchased separately



Vikings Technology Co. Ltd.

www.vikingstechnology.com

sales@vikingstechnology.com

Last update 2025 April. Product specifications and availability are subject to change without further notice



KEY FEATURES

- 8*10/100/1000Base-TX RJ45 and 4*1/2.5GBase-X SFP ports with 1*single LC fiber Bypass channel
- Fiber Bypass ensures network continuity during power loss with recovery time ≤ 10 ms
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Extended PoE and Ethernet transmission up to 250 meters
- Up to 90W per port PoE++ support, IEEE 802.3af/at/bt compatible
- Smart PoE management - PoE watchdog
- ERPS support with recovery time < 50 ms
- Electric up to 6KV surge protection
- USB port for configuration and upgrading
- Support Digital Input, Relay Output and RS485 data
- Operating temperature from -40°C to $+75^{\circ}\text{C}$
- Redundant and wide power input range with input polarity protection
- Aluminum case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The SMG840 BP series Industrial grade fiber Bypass Layer 2+ Managed Ethernet Switch comes with 8 * 10/100/1000Mbps RJ45 and 4 * 1/2.5GBase-X SFP ports with 1 * single LC (WDM) fiber Bypass channel. Under normal conditions, the device operates as a typical Layer 2+ Managed Ethernet Switch. However in the event of a power failure or internal fault, the integrated optical bypass module is activated, allowing network traffic to continue flowing directly between connected devices without interruption, as if the switch were not present in the path. This ensures seamless continuity in mission critical networks where absolute reliability is essential, making this switch an ideal solution for industrial, telecom, and security environments.

The PoE version of this switch provides PoE as Power Sourcing Equipment (PSE) up to 90W per port, being IEEE 802.3af/at/bt compatible. Smart PoE management allows user to remotely reboot ports and enable PoE watchdog - auto reboot of not responding PoE devices. With in-built Ethernet extender function, signals on copper port can be transmitted & received up to 250meters from remote device, at the same time supplying PoE power.

SPECIFICATIONS

Model	SMG840-D3-BP	SMG840P-D3-BP
Ports		
RJ45 ports and speed	8 * 10/100/1000Base-TX	
Fiber ports and speed	4 * 1/2.5GBase-X SFP 1 * Single LC (WDM) Bypass channel	
Management ports	1 * RJ45 Console	
I/O ports	n/a	

Model	SMG840-D3-BP		SMG840P-D3-BP
Ethernet			
Switching Bandwidth	36Gbps		
Packet Forwarding	53.5Mpps		
Max Packet Length	10KB		
Packet Buffer	12Mb		
MAC Address Table	16K		
PoE	Not supported	Ports 1-2: IEEE 802.3af/at/bt, up to 90W per port Ports 3-8: IEEE 802.3af/at, up to 30W per port 240W Total	
Supported Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3x, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q IEEE802.1X, IEEE 802.1ab, IEEE 802.3ad, ITU-T G.8032		
L2 Management			
Port Features	Static & Dynamic aggregation, 1G/2.5G aggregation IEEE802.3x flow control, Traffic statistics, Port isolation Network storm suppression based on port bandwidth Many to one port mirroring		
VLAN	Supports Access, Trunk and Hybrid modes		
VLAN Classification	Mac Based, IP Based, Protocol Based		
QinQ	Port-based, VLAN-based, Flow-based		
DHCP	Support DHCP client & DHCP snooping		
ACL	IP Standard, MAC extend, IP extend		
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS, MSTP		
Multicast	IGMP snooping V1/V2/V3		
QoS	Supports QoS Class, Remarking, SP WRR queue scheduling Policy-based QoS Ingress/Egress port based rate limit		
Security	Supports 802.1x, Port authentication, MAC authentication, RADIUS service Supports Port-security, IP Source Guard, IP/Port/MAC binding ARP-check and ARP packet filtering for illegal users		
Management & Maintenance	Web based management, SNMP V1/V2C/V3, Telnet/SSH server LLDP, RMON alarm, NTP, Ping, Tracert, TFTP client, IPv6 PoE Management		
L3 Management			
ARP	ARP table aging		
IPv4/IPv6	Static routing		
DHCP	DHCP server		

Model	SMG840-D3-BP		SMG840P-D3-BP
Environmental			
Operating Temperature	-40°C ~ +75°C		
Storage Temperature	-40°C ~ +85°C		
Relative Humidity	5 ~ 90% non-condensing		
MTBF	590.000h		
Electrical and Physical			
Redundant Power Inputs	24-58VDC	44-57VDC	
Max Power consumption	15W	255W	
Input polarity protection	Yes		
Case	IP40 aluminum case		
Cooling	Natural cooling, no fan design		
Dimensions (H * D * W)	158 * 115 * 54mm		
Weight	~1.4kg		
Mounting	Din-rail / Wallmount		
Certifications			
Standards	Surge protection for power ports: 6KV/4KV (EN 61000-4-5)		
	Surge protection for Ethernet ports: 6KV/2KV (EN 61000-4-5)		
	Vibration: IEC 60068-2-6:2007		
	Shock: IEC 60068-2-27:2008		
	Free fall: IEC 60068-2-32:1975		
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
FCC Part 15, Subpart B:2016, ANSI C63.4:2014			
RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102			

ORDERING INFORMATION

Model name	Description
SMG840-D3-BP	Managed L2+ Industrial Fiber Bypass Switch 8*10/100/1000Base-TX RJ45 and 4*1/2.5GBase-X SFP ports, 1*single LC fiber Bypass channel, redundant 24-58VDC inputs, Din-Rail
SMG840P-D3-BP	Managed L2+ Industrial Fiber Bypass Switch 8*10/100/1000Base-TX RJ45 PoE++ and 4*1/2.5GBase-X SFP ports, 1*single LC fiber Bypass channel, redundant 44-57VDC inputs, Din-Rail

OTHER

SFP modules and Power supplies are not included and to be purchased separately



Vikings Technology Co. Ltd.

www.vikingstechnology.com

sales@vikingstechnology.com

Last update 2025 September. Product specifications and availability are subject to change without further notice



ikings Technology

SMG840 BP2 series

Managed L2+ Industrial Fiber Bypass Switch

KEY FEATURES

- 8*10/100/1000Base-TX RJ45 and 4*1/2.5GBase-X SFP ports with 2*single LC or 1*dual LC fiber Bypass channels
- Fiber Bypass ensures network continuity during power loss with recovery time ≤ 10 ms
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Extended PoE and Ethernet transmission up to 250 meters
- Up to 90W per port PoE++ support, IEEE 802.3af/at/bt compatible
- Smart PoE management - PoE watchdog
- ERPS support with recovery time < 50 ms
- Electric up to 6KV surge protection
- USB port for configuration and upgrading
- Support Digital Input, Relay Output and RS485 data
- Operating temperature from -40°C to $+75^{\circ}\text{C}$
- Redundant and wide power input range with input polarity protection
- Aluminum case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



Managed Switches

INTRODUCTION

The SMG840 BP series Industrial grade fiber Bypass Layer 2+ Managed Ethernet Switch comes with 8 * 10/100/1000Mbps RJ45 and 4 * 1/2.5GBase-X SFP ports with 2 * single LC (WDM) or 1 * dual LC fiber Bypass channels. Under normal conditions, the device operates as a typical Layer 2+ Managed Ethernet Switch. However in the event of a power failure or internal fault, the integrated optical bypass module is activated, allowing network traffic to continue flowing directly between connected devices without interruption, as if the switch were not present in the path. This ensures seamless continuity in mission critical networks where absolute reliability is essential, making this switch an ideal solution for industrial, telecom, and security environments.

The PoE version of this switch provides PoE as Power Sourcing Equipment (PSE) up to 90W per port, being IEEE 802.3af/at/bt compatible. Smart PoE management allows user to remotely reboot ports and enable PoE watchdog - auto reboot of not responding PoE devices. With in-built Ethernet extender function, signals on copper port can be transmitted & received up to 250meters from remote device, at the same time supplying PoE power.

SPECIFICATIONS

Model	SMG840-D3-BP2	SMG840P-D3-BP2
Ports		
RJ45 ports and speed	8 * 10/100/1000Base-TX	
Fiber ports and speed	4 * 1/2.5GBase-X SFP 2 * Single LC (WDM) or 1 * Dual LC Bypass channels	
Management ports	1 * RJ45 Console	
I/O ports	n/a	

Model	SMG840-D3-BP2	SMG840P-D3-BP2
Ethernet		
Switching Bandwidth	36Gbps	
Packet Forwarding	53.5Mpps	
Max Packet Length	10KB	
Packet Buffer	12Mb	
MAC Address Table	16K	
PoE	Not supported	Ports 1-2: IEEE 802.3af/at/bt, up to 90W per port Ports 3-8: IEEE 802.3af/at, up to 30W per port 240W Total
Supported Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3x, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q IEEE802.1X, IEEE 802.1ab, IEEE 802.3ad, ITU-T G.8032	
L2 Management		
Port Features	Static & Dynamic aggregation, 1G/2.5G aggregation IEEE802.3x flow control, Traffic statistics, Port isolation Network storm suppression based on port bandwidth Many to one port mirroring	
VLAN	Supports Access, Trunk and Hybrid modes	
VLAN Classification	Mac Based, IP Based, Protocol Based	
QinQ	Port-based, VLAN-based, Flow-based	
DHCP	Support DHCP client & DHCP snooping	
ACL	IP Standard, MAC extend, IP extend	
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS, MSTP	
Multicast	IGMP snooping V1/V2/V3	
QoS	Supports QoS Class, Remarking, SP WRR queue scheduling Policy-based QoS Ingress/Egress port based rate limit	
Security	Supports 802.1x, Port authentication, MAC authentication, RADIUS service Supports Port-security, IP Source Guard, IP/Port/MAC binding ARP-check and ARP packet filtering for illegal users	
Management & Maintenance	Web based management, SNMP V1/V2C/V3, Telnet/SSH server LLDP, RMON alarm, NTP, Ping, Tracert, TFTP client, IPv6 PoE Management	
L3 Management		
ARP	ARP table aging	
IPv4/IPv6	Static routing	
DHCP	DHCP server	

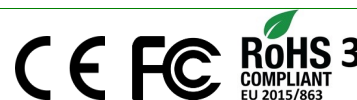
Model	SMG840-D3-BP2	SMG840P-D3-BP2
Environmental		
Operating Temperature	-40°C ~ +75°C	
Storage Temperature	-40°C ~ +85°C	
Relative Humidity	5 ~ 90% non-condensing	
MTBF	590.000h	
Electrical and Physical		
Redundant Power Inputs	24-58VDC	44-57VDC
Max Power consumption	15W	255W
Input polarity protection	Yes	
Case	IP40 aluminum case	
Cooling	Natural cooling, no fan design	
Dimensions (H * D * W)	158 * 115 * 54mm	
Weight	~1.5kg	
Mounting	Din-rail / Wallmount	
Certifications		
Standards	Surge protection for power ports: 6KV/4KV (EN 61000-4-5)	
	Surge protection for Ethernet ports: 6KV/2KV (EN 61000-4-5)	
	Vibration: IEC 60068-2-6:2007	
	Shock: IEC 60068-2-27:2008	
	Free fall: IEC 60068-2-32:1975	
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020	
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01	
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012	
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023	
	CE 2014/35/EU LVD, EN IEC 62368-1:2024	
	FCC Part 15, Subpart B:2016, ANSI C63.4:2014	
	RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102	

ORDERING INFORMATION

Model name	Description
SMG840-D3-BP2	Managed L2+ Industrial Fiber Bypass Switch 8*10/100/1000Base-TX RJ45 and 4*1/2.5GBase-X SFP ports, 2*single LC or 1*dual LC fiber Bypass channels, redundant 24-58VDC inputs, Din-Rail
SMG840P-D3-BP2	Managed L2+ Industrial Fiber Bypass Switch 8*10/100/1000Base-TX RJ45 PoE++ and 4*1/2.5GBase-X SFP ports, 2*single LC or 1*dual LC fiber Bypass channels, redundant 44-57VDC inputs, Din-Rail

OTHER

SFP modules and Power supplies are not included and to be purchased separately



Vikings Technology Co. Ltd.

www.vikingstechnology.com

sales@vikingstechnology.com

Last update 2025 September. Product specifications and availability are subject to change without further notice



KEY FEATURES

- 16*10/100/1000Base-TX RJ45 and 2*1/2.5GBase-X SFP ports
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Extended PoE and Ethernet transmission up to 250 meters
- Smart PoE management - PoE watchdog
- ERPS support with recovery time <50ms
- Electric up to 6KV surge protection
- Digital alarm output
- Operating temperature from -40°C to +75°C
- Redundant and wide power input range with input polarity protection
- Aluminum case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The SMG1620 series Industrial grade Layer 2+ Managed Ethernet Switch comes with 16 * 10/100/1000Mbps RJ45 and 2 * 1/2.5GBase-X SFP ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 30W per port (total 240W). Smart PoE management allows user to remotely reboot ports and enable PoE watchdog - auto reboot of not responding PoE devices. With in-built Ethernet extender function, signals on copper port can be transmitted & received up to 250meters from remote device, at the same time supplying PoE power. Ethernet Ring Protection Switching (ERPS) grants ultra fast recovery time of less than 50ms. Powerful Layer 2+ management and security functions ensures suitability for large scale industrial network projects. Housed in rugged aluminum Din-rail or wall-mountable IP40 enclosure, no fan design with extreme temperatures operation, makes those Industrial grade Layer 2+ Managed Switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SMG1620-D3	SMG1620P-D3
Ports		
RJ45 ports and speed	16 * 10/100/1000Base-TX	
Fiber ports and speed	2 * 1/2.5GBase-X SFP	
Combo ports and speed	n/a	
Management ports	1 * RJ45 Console	
I/O ports	1 * Digital alarm output relay, max 1A@24VDC	

Model	SMG1620-D3		SMG1620P-D3
Ethernet			
Switching Bandwidth	36Gbps		
Packet Forwarding	53.5Mpps		
Max Packet Length	10KB		
Packet Buffer	12Mb		
MAC Address Table	16K		
PoE	n/a	Ports 1-16: IEEE 802.3af/at, max output 30W per port (240W Total)	
Supported Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3x, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q IEEE802.1X, IEEE 802.1ab, IEEE 802.3ad, ITU-T G.8032		
L2 Management			
Port Features	Static & Dynamic aggregation, 1G/2.5G aggregation IEEE802.3x flow control, Traffic statistics, Port isolation Network storm suppression based on port bandwidth Many to one port mirroring		
VLAN	Supports Access, Trunk and Hybrid modes		
VLAN Classification	Mac Based, IP Based, Protocol Based		
QinQ	Port-based, VLAN-based, Flow-based		
DHCP	Support DHCP client & DHCP snooping		
ACL	IP Standard, MAC extend, IP extend		
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS, MSTP		
Multicast	IGMP snooping V1/V2/V3		
QoS	Supports QoS Class, Remarking, SP WRR queue scheduling Policy-based QoS Ingress/Egress port based rate limit		
Security	Supports 802.1x, Port authentication, MAC authentication RADIUS service Supports Port-security IP Source Guard, IP/Port/MAC binding ARP-check and ARP packet filtering for illegal users		
Management & Maintenance	Web based management, SNMP V1/V2C/V3 Telnet/SSH server LLDP, RMON alarm, NTP, Ping, Tracert, TFTP client, IPv6		
L3 Management			
ARP	ARP table aging		
IPv4/IPv6	Static routing		
DHCP	DHCP server		

Model	SMG1620-D3		SMG1620P-D3
Environmental			
Operating Temperature	-40°C ~ +75°C		
Storage Temperature	-40°C ~ +85°C		
Relative Humidity	5 ~ 90% non-condensing		
MTBF	590.000h		
Electrical and Physical			
Redundant Power Inputs	12-58VDC	44-57VDC	
Max Power consumption	15W	255W	
Input polarity protection	Yes		
Case	IP40 aluminum case		
Cooling	Natural cooling, no fan design		
Dimensions (H * D * W)	158 * 115 * 54mm		
Weight	~1.4kg		
Mounting	Din-rail / Wallmount		
Certifications			
Standards	Surge protection for power ports: 6KV/4KV (EN 61000-4-5)		
	Surge protection for Ethernet ports: 6KV/2KV (EN 61000-4-5)		
	Vibration: IEC 60068-2-6:2007		
	Shock: IEC 60068-2-27:2008		
	Free fall: IEC 60068-2-32:1975		
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
FCC Part 15, Subpart B:2016, ANSI C63.4:2014			
RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102			

ORDERING INFORMATION

Model name	Description
SMG1620-D3	Managed L2+ Industrial Switch 16*10/100/1000Base-TX RJ45 and 2*1/2.5GBase-X SFP ports, redundant 12-58VDC inputs, Din-Rail
SMG1620P-D3	Managed L2+ Industrial Switch 16*10/100/1000Base-TX RJ45 PoE and 2*1/2.5GBase-X SFP ports, redundant 44-57VDC inputs, Din-Rail

OTHER

SFP modules and Power supplies are not included and to be purchased separately



ikings Technology

SMG2440 series

Managed L2+ Industrial Switch

KEY FEATURES

- 24*10/100/1000Base-TX RJ45 and 4*1/2.5GBase-X SFP ports
- Industrial Hardened grade designed to operate in harsh environmental conditions
- Extended PoE and Ethernet transmission up to 250 meters
- Up to 90W per port PoE++ support, IEEE 802.3af/at/bt compatible
- Smart PoE management - PoE watchdog
- ERPS support with recovery time <50ms
- Electric up to 6KV surge protection
- USB port for configuration and upgrading
- Operating temperature from -40°C to +75°C
- Redundant power inputs
- Metal case, no fan design
- 19" Rack mountable, 1U height
- 5 years warranty



INTRODUCTION

The SMG2440 series Industrial grade Layer 2+ Managed Ethernet Switch comes with 24*10/100/1000Mbps RJ45 and 4*1/2.5GBase-X SFP ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 90W per port, IEEE 802.3af/at/bt compatible. Smart PoE management allows user to remotely reboot ports and enable PoE watchdog - auto reboot of not responding PoE devices. With in-built Ethernet extender function, signals on copper ports can be transmitted & received up to 250meters from remote devices, at the same time supplying PoE power. Ethernet Ring Protection Switching (ERPS) grants ultra fast recovery time of less than 50ms. Powerful Layer 2+ management and security functions ensures suitability for large scale industrial network projects. Housed in rugged metal 19" Rack mountable case, no fan design with extreme temperatures operation, makes those Industrial grade Layer 2+ Managed Ethernet Switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SMG2440-1U	SMG2440P-1U
Ports		
RJ45 ports and speed	24 * 10/100/1000Base-TX	
Fiber ports and speed	4 * 1/2.5GBase-X SFP	
Combo ports and speed	n/a	
Management ports	1 * RJ45 Console 1 * USB 2.0	
I/O ports	n/a	

Model	SMG2440-1U		SMG2440P-1U
Ethernet			
Switching Bandwidth	68Gbps		
Packet Forwarding	101Mpps		
Max Packet Length	10KB		
Packet Buffer	12Mb		
MAC Address Table	16K		
PoE	Not supported	Ports 1-2: IEEE 802.3af/at/bt, up to 90W per port Ports 3-24: IEEE 802.3af/at, up to 30W per port 370W Total	
Supported Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3x, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q IEEE802.1X, IEEE 802.1ab, IEEE 802.3ad, ITU-T G.8032		
L2 Management			
Port Features	Static & Dynamic aggregation, 1G/2.5G aggregation IEEE802.3x flow control, Traffic statistics, Port isolation Network storm suppression based on port bandwidth Many to one port mirroring		
VLAN	Supports Access, Trunk and Hybrid modes		
VLAN Classification	Mac Based, IP Based, Protocol Based		
QinQ	Port-based, VLAN-based, Flow-based		
DHCP	Support DHCP client & DHCP snooping		
ACL	IP Standard, MAC extend, IP extend		
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS, MSTP		
Multicast	IGMP snooping V1/V2/V3		
QoS	Supports QoS Class, Remarking, SP WRR queue scheduling Policy-based QoS Ingress/Egress port based rate limit		
Security	Supports 802.1x, Port authentication, MAC authentication, RADIUS service Supports Port-security, IP Source Guard, IP/Port/MAC binding ARP-check and ARP packet filtering for illegal users		
Management & Maintenance	Web based management, SNMP V1/V2C/V3, Telnet/SSH server LLDP, RMON alarm, NTP, Ping, Tracert, TFTP client, IPv6 PoE Management		
L3 Management			
ARP	ARP table aging		
IPv4/IPv6	Static routing		
DHCP	DHCP server		

Model	SMG2440-1U		SMG2440P-1U
Environmental			
Operating Temperature	-40°C ~ +75°C		
Storage Temperature	-40°C ~ +85°C		
Relative Humidity	5 ~ 90% non-condensing		
MTBF	470.000h		
Electrical and Physical			
Redundant Power Inputs	100~240VAC	44-57VDC	
Max Power consumption	30W	400W	
Input polarity protection	Yes		
Case	IP40 metal case		
Cooling	Natural cooling, no fan design		
Dimensions (H * D * W)	44 * 280 * 440mm		
Weight	~5.2kg		
Mounting	19" Rack mountable, 1U height		
Certifications			
Standards	Surge protection for power ports: 6KV/4KV (EN 61000-4-5)		
	Surge protection for Ethernet ports: 6KV/2KV (EN 61000-4-5)		
	Vibration: IEC 60068-2-6:2007		
	Shock: IEC 60068-2-27:2008		
	Free fall: IEC 60068-2-32:1975		
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
FCC Part 15, Subpart B:2016, ANSI C63.4:2014			
RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102			

ORDERING INFORMATION

Model name	Description
SMG2440-1U	Managed L2+ Industrial Switch 24*10/100/1000Base-TX RJ45 and 4*1/2.5GBase-X SFP ports, redundant 100~240VAC inputs, Rack mount
SMG2440P-1U	Managed L2+ Industrial Switch 24*10/100/1000Base-TX RJ45 PoE++ and 4*1/2.5GBase-X SFP ports, redundant 44-57VDC inputs, Rack mount

OTHER

SFP modules and Power supplies are not included and to be purchased separately



Vikings Technology Co. Ltd.

www.vikingstechnology.com

sales@vikingstechnology.com

Last update 2025 April. Product specifications and availability are subject to change without further notice



ikings Technology

SMG1648 series

Managed L2+ Industrial Switch

KEY FEATURES

- 16*10/100/1000Base-TX RJ45 and 4*1/2.5GBase-X SFP and 8*1G Combo ports
- Industrial Hardened grade designed to operate in harsh environmental conditions
- Extended PoE and Ethernet transmission up to 250 meters
- Up to 90W per port PoE++ support, IEEE 802.3af/at/bt compatible
- Smart PoE management - PoE watchdog
- ERPS support with recovery time <50ms
- Electric up to 6KV surge protection
- USB port for configuration and upgrading
- Operating temperature from -40°C to +75°C
- Redundant power inputs
- Metal case, no fan design
- 19" Rack mountable, 1U height
- 5 years warranty



INTRODUCTION

The SMG1648 series Industrial grade Layer 2+ Managed Ethernet Switch comes with 16*10/100/1000Mbps RJ45 and 4*1/2.5GBase-X SFP and 8*1G Combo ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 90W per port, IEEE 802.3af/at/bt compatible. Smart PoE management allows user to remotely reboot ports and enable PoE watchdog - auto reboot of not responding PoE devices. With in-built Ethernet extender function, signals on copper ports can be transmitted & received up to 250meters from remote devices, at the same time supplying PoE power. Ethernet Ring Protection Switching (ERPS) grants ultra fast recovery time of less than 50ms. Powerful Layer 2+ management and security functions ensures suitability for large scale industrial network projects. Housed in rugged metal 19" Rack mountable case, no fan design with extreme temperatures operation, makes those Industrial grade Layer 2+ Managed Ethernet Switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SMG1648-1U	SMG1648P-1U
Ports		
RJ45 ports and speed	16 * 10/100/1000Base-TX	
Fiber ports and speed	4 * 1/2.5GBase-X SFP	
Combo ports and speed	8 * 10/100/1000Base-TX or 1000Base-X SFP	
Management ports	1 * RJ45 Console 1 * USB 2.0	
I/O ports	n/a	

Model	SMG1648-1U		SMG1648P-1U
Ethernet			
Switching Bandwidth	68Gbps		
Packet Forwarding	101Mpps		
Max Packet Length	10KB		
Packet Buffer	12Mb		
MAC Address Table	16K		
PoE	Not supported	Ports 1-2: IEEE 802.3af/at/bt, up to 90W per port Ports 3-16: IEEE 802.3af/at, up to 30W per port 370W Total	
Supported Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3x, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q IEEE802.1X, IEEE 802.1ab, IEEE 802.3ad, ITU-T G.8032		
L2 Management			
Port Features	Static & Dynamic aggregation, 1G/2.5G aggregation IEEE802.3x flow control, Traffic statistics, Port isolation Network storm suppression based on port bandwidth Many to one port mirroring		
VLAN	Supports Access, Trunk and Hybrid modes		
VLAN Classification	Mac Based, IP Based, Protocol Based		
QinQ	Port-based, VLAN-based, Flow-based		
DHCP	Support DHCP client & DHCP snooping		
ACL	IP Standard, MAC extend, IP extend		
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS, MSTP		
Multicast	IGMP snooping V1/V2/V3		
QoS	Supports QoS Class, Remarking, SP WRR queue scheduling Policy-based QoS Ingress/Egress port based rate limit		
Security	Supports 802.1x, Port authentication, MAC authentication, RADIUS service Supports Port-security, IP Source Guard, IP/Port/MAC binding ARP-check and ARP packet filtering for illegal users		
Management & Maintenance	Web based management, SNMP V1/V2C/V3, Telnet/SSH server LLDP, RMON alarm, NTP, Ping, Tracert, TFTP client, IPv6 PoE Management		
L3 Management			
ARP	ARP table aging		
IPv4/IPv6	Static routing		
DHCP	DHCP server		

Model	SMG1648-1U		SMG1648P-1U
Environmental			
Operating Temperature	-40°C ~ +75°C		
Storage Temperature	-40°C ~ +85°C		
Relative Humidity	5 ~ 90% non-condensing		
MTBF	470.000h		
Electrical and Physical			
Redundant Power Inputs	100~240VAC	44-57VDC	
Max Power consumption	32W	400W	
Input polarity protection	Yes		
Case	IP40 metal case		
Cooling	Natural cooling, no fan design		
Dimensions (H * D * W)	44 * 280 * 440mm		
Weight	~5.2kg		
Mounting	19" Rack mountable, 1U height		
Certifications			
Standards	Surge protection for power ports: 6KV/4KV (EN 61000-4-5)		
	Surge protection for Ethernet ports: 6KV/2KV (EN 61000-4-5)		
	Vibration: IEC 60068-2-6:2007		
	Shock: IEC 60068-2-27:2008		
	Free fall: IEC 60068-2-32:1975		
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
FCC Part 15, Subpart B:2016, ANSI C63.4:2014			
RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102			

ORDERING INFORMATION

Model name	Description
SMG1648-1U	Managed L2+ Industrial Switch 16*10/100/1000Base-TX RJ45 and 4*1/2.5GBase-X SFP and 8*1G COMBO ports, redundant 100~240VAC inputs, Rack mount
SMG1648P-1U	Managed L2+ Industrial Switch 16*10/100/1000Base-TX RJ45 PoE++ and 4*1/2.5GBase-X SFP and 8*1G COMBO ports, redundant 44-57VDC inputs, Rack mount

OTHER

SFP modules and Power supplies are not included and to be purchased separately



Vikings Technology Co. Ltd.

www.vikingstechnology.com

sales@vikingstechnology.com

Last update 2025 April. Product specifications and availability are subject to change without further notice

KEY FEATURES

- 16*100/1000Base-X SFP and 4*1/2.5GBase-X SFP and 8*1G Combo ports
- Industrial Hardened grade designed to operate in harsh environmental conditions
- ERPS support with recovery time <50ms
- IPv4/IPv6 static routing support
- Electric up to 6KV surge protection
- USB port for configuration and upgrading
- Operating temperature from -40°C to +75°C
- Redundant power inputs
- Metal case, no fan design
- 19" Rack mountable, 1U height
- 5 years warranty



INTRODUCTION

The SMG0208 series Industrial grade Layer 2+ Managed fiber Switch comes with 16*100/1000Base-X SFP and 4*1/2.5GBase-X SFP and 8*1G Combo ports. Ethernet Ring Protection Switching (ERPS) grants ultra fast recovery time of less than 50ms. Powerful Layer 2+ management and security functions, USB port for one key configuration ensures those switches suitability for large scale complex industrial network projects. Housed in rugged metal 19" Rack mountable case, no fan design with extreme temperatures operation, makes those Industrial grade Layer 2+ Managed Ethernet Switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SMG0208-1U
Ports	
RJ45 ports and speed	n/a (refer to Combo ports)
Fiber ports and speed	16 * 100/1000Base-X SFP 4 * 1/2.5GBase-X SFP
Combo ports and speed	8 * 10/100/1000Base-TX or 1000Base-X SFP
Management ports	1 * RJ45 Console 1 * USB 2.0
I/O ports	n/a

Model	SMG0208-1U
Ethernet	
Switching Bandwidth	68Gbps
Packet Forwarding	101Mpps
Max Packet Length	10KB
Packet Buffer	12Mb
MAC Address Table	16K
PoE	n/a
Supported Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3x, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q IEEE802.1X, IEEE 802.1ab, IEEE 802.3ad, ITU-T G.8032
L2 Management	
Port Features	Static & Dynamic aggregation, 1G/2.5G aggregation IEEE802.3x flow control, Traffic statistics Port isolation, Network storm suppression based on port bandwidth Many to one port mirroring
VLAN	Supports Access, Trunk and Hybrid modes
VLAN Classification	Mac Based, IP Based, Protocol Based
QinQ	Port-based, VLAN-based, Flow-based
DHCP	Support DHCP client & DHCP snooping
ACL	IP Standard, MAC extend, IP extend
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS, MSTP
Multicast	IGMP snooping V1/V2/V3
QoS	Supports QoS Class, Remarking, SP WRR queue scheduling Policy-based QoS Ingress/Egress port based rate limit
Security	Supports 802.1x, Port authentication MAC authentication, RADIUS service Supports Port-security, IP Source Guard IP/Port/MAC binding ARP-check and ARP packet filtering for illegal users
Management & Maintenance	Web based management SNMP V1/V2C/V3, Telnet/SSH server LLDP, RMON alarm, NTP, Ping Tracert, TFTP client, IPv6
L3 Management	
ARP	ARP table aging
IPv4/IPv6	Static routing
DHCP	DHCP server

Model	SMG0208-1U
Environmental	
Operating Temperature	-40°C ~ +75°C
Storage Temperature	-40°C ~ +85°C
Relative Humidity	5 ~ 90% non-condensing
MTBF	470.000h
Electrical and Physical	
Redundant Power Inputs	100~240VAC
Max Power consumption	36W
Input polarity protection	Yes
Case	IP40 metal case
Cooling	Natural cooling, no fan design
Dimensions (H * D * W)	44 * 280 * 440mm
Weight	~5kg
Mounting	19" Rack mountable, 1U height
Certifications	
Standards	Surge protection for power ports: 6KV/4KV (EN 61000-4-5) Surge protection for Ethernet ports: 6KV/2KV (EN 61000-4-5) Vibration: IEC 60068-2-6:2007 Shock: IEC 60068-2-27:2008 Free fall: IEC 60068-2-32:1975 CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020 EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01 EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023 CE 2014/35/EU LVD, EN IEC 62368-1:2024 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102

ORDERING INFORMATION

Model name	Description
SMG0208-1U	Managed L2+ Industrial Fiber Switch 16*100/1000Base-X SFP and 4*1/2.5GBase-X SFP and 8*1G COMBO ports, redundant 100~240VAC inputs, Rack mount

OTHER

SFP modules and Power supplies are not included and to be purchased separately

KEY FEATURES

- 8*10/100/1000Base-TX RJ45 and 2*1/2.5/10GBase-X SFP+ ports
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Extended PoE and Ethernet transmission up to 250 meters
- Smart PoE management - PoE watchdog
- ERPS support with recovery time <50ms
- Electric up to 6KV surge protection
- Digital alarm output
- Operating temperature from -40°C to +75°C
- Redundant and wide power input range with input polarity protection
- Aluminum case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The SMX820 series Industrial grade Layer 2+ Managed Ethernet Switch comes with 8 * 10/100/1000Mbps RJ45 and 2 * 1/2.5/10GBase-X SFP+ ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 30W each port. Smart PoE management allows user to remotely reboot ports and enable PoE watchdog - auto reboot of not responding PoE devices. With in-built Ethernet extender function, signals on copper port can be transmitted & received up to 250meters from remote device, at the same time supplying PoE power. Ethernet Ring Protection Switching (ERPS) grants ultra fast recovery time of less than 50ms. Powerful Layer 2+ management and security functions, 2 * 10G SFP+ ports ensures suitability for large scale industrial network projects. Housed in rugged aluminum Din-rail or wall-mountable IP40 enclosure, no fan design with extreme temperatures operation, makes those Managed Switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SMX820-D3	SMX820P-D3
Ports		
RJ45 ports and speed	8 * 10/100/1000Base-TX	
Fiber ports and speed	2 * 1/2.5/10GBase-X SFP+	
Combo ports and speed	n/a	
Management ports	1 * RJ45 Console	
I/O ports	1 * Digital alarm output relay, max 1A@24VDC	

Model	SMX820-D3		SMX820P-D3
Ethernet			
Switching Bandwidth	56Gbps		
Packet Forwarding	83.3Mpps		
Max Packet Length	10KB		
Packet Buffer	12Mb		
MAC Address Table	16K		
PoE	n/a	Ports 1-8: IEEE 802.3af/at, up to 30W per port (240W Total)	
Supported Standards	IEEE802.3 IEEE802.3u IEEE802.3ab IEEE802.3z IEEE802.3ae IEEE802.3x IEEE 802.1D IEEE 802.1w IEEE802.1Q IEEE802.1X IEEE 802.1ab IEEE 802.3ad ITU-T G.8032		
L2 Management			
Port Features	Static & Dynamic aggregation, 1G/2.5G/10G aggregation IEEE802.3x flow control, Traffic statistics, Port isolation Network storm suppression based on port bandwidth Many to one port mirroring		
VLAN	Supports Access/Trunk/Hybrid modes		
VLAN Classification	Mac Based / IP Based / Protocol Based		
QinQ	Port-based / VLAN-based / Flow-based		
DHCP	Support DHCP client & DHCP snooping		
ACL	IP Standard / MAC extend / IP extend		
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS, MSTP		
Multicast	IGMP snooping V1/V2/V3		
QoS	Supports QoS Class, Remarking, SP, WRR queue scheduling, Policy-based QoS, Ingress/Egress port based rate limit		
Security	Supports 802.1x, Port authentication, MAC authentication, RADIUS service, Supports Port-security, IP Source Guard, IP/Port/MAC binding, ARP-check and ARP packet filtering for illegal users		
Management & Maintenance	Web based management, SNMP V1/V2C/V3, Telnet/SSH server LLDP, RMON alarm, NTP, Ping Tracert, TFTP client, IPv6		
L3 Management			
ARP	ARP table aging		
IPv4/IPv6	Static routing		
DHCP	DHCP server		

Model	SMX820-D3		SMX820P-D3
Environmental			
Operating Temperature	-40°C ~ +75°C		
Storage Temperature	-40°C ~ +85°C		
Relative Humidity	5 ~ 90% non-condensing		
MTBF	>200.000h		
Electrical and Physical			
Redundant Power Inputs	12-58VDC	44-57VDC	
Max Power consumption	12W	252W	
Input polarity protection	Yes		
Case	IP40 aluminum case		
Cooling	Natural cooling, no fan design		
Dimensions (H * D * W)	158 * 115 * 54mm		
Weight	~1.1kg		
Mounting	Din-rail / Wallmount		
Certifications			
Standards	Surge protection for power ports: 6KV/4KV (EN 61000-4-5)		
	Surge protection for Ethernet ports: 6KV/2KV (EN 61000-4-5)		
	Vibration: IEC 60068-2-6:2007		
	Shock: IEC 60068-2-27:2008		
	Free fall: IEC 60068-2-32:1975		
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
FCC Part 15, Subpart B:2016, ANSI C63.4:2014			
RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102			

ORDERING INFORMATION

Model name	Description
SMX820-D3	Managed L2+ Industrial Switch 8*10/100/1000Base-TX RJ45 and 2*1/2.5/10G Base-X SFP+ ports, redundant 12-58VDC inputs, Din-Rail
SMX820P-D3	Managed L2+ Industrial Switch 8*10/100/1000Base-TX RJ45 PoE and 2*1/2.5/10GBase-X SFP+ ports, redundant 44-57VDC inputs, Din-Rail

OTHER

SFP modules and Power supplies are not included and to be purchased separately

Vikings Technology Co. Ltd.

www.vikingstechnology.com


sales@vikingstechnology.com

Last update 2025 March. Product specifications and availability are subject to change without further notice

KEY FEATURES

- 8*10/100/1000Base-TX RJ45 and 4*1/2.5/10GBase-X SFP+ ports
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Extended PoE and Ethernet transmission up to 250 meters
- Smart PoE management - PoE watchdog
- ERPS support with recovery time <50ms
- Electric up to 6KV surge protection
- Digital alarm output
- Operating temperature from -40°C to +75°C
- Redundant and wide power input range with input polarity protection
- Aluminum case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The SMX840 series Industrial grade Layer 2+ Managed Ethernet Switch comes with 8 * 10/100/1000Mbps RJ45 and 4 * 1/2.5/10GBase-X SFP+ ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 30W each port. Smart PoE management allows user to remotely reboot ports and enable PoE watchdog - auto reboot of not responding PoE devices. With in-built Ethernet extender function, signals on copper port can be transmitted & received up to 250meters from remote device, at the same time supplying PoE power. Ethernet Ring Protection Switching (ERPS) grants ultra fast recovery time of less than 50ms. Powerful Layer 2+ management and security functions ensures suitability for large scale industrial network projects. Housed in rugged aluminum Din-rail or wall-mountable IP40 enclosure, no fan design with extreme temperatures operation, makes those Managed Switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SMX840-D3	SMX840P-D3
Ports		
RJ45 ports and speed	8 * 10/100/1000Base-TX	
Fiber ports and speed	4 * 1/2.5/10GBase-X SFP+	
Combo ports and speed	n/a	
Management ports	1 * RJ45 Console	
I/O ports	1 * Digital alarm output relay, max 1A@24VDC	

Model	SMX840-D3		SMX840P-D3
Ethernet			
Switching Bandwidth	96Gbps		
Packet Forwarding	142.8Mpps		
Max Packet Length	10KB		
Packet Buffer	12Mb		
MAC Address Table	16K		
PoE	n/a	Ports 1-8: IEEE 802.3af/at, up to 30W per port (240W Total)	
Supported Standards	IEEE802.3 IEEE802.3u IEEE802.3ab IEEE802.3z IEEE802.3ae IEEE802.3x IEEE 802.1D IEEE 802.1w IEEE802.1Q IEEE802.1X IEEE 802.1ab IEEE 802.3ad ITU-T G.8032		
L2 Management			
Port Features	Static & Dynamic aggregation, 1G/2.5G/10G aggregation IEEE802.3x flow control, Traffic statistics, Port isolation Network storm suppression based on port bandwidth Many to one port mirroring		
VLAN	Supports Access/Trunk/Hybrid modes		
VLAN Classification	Mac Based / IP Based / Protocol Based		
QinQ	Port-based / VLAN-based / Flow-based		
DHCP	Support DHCP client & DHCP snooping		
ACL	IP Standard / MAC extend / IP extend		
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS, MSTP		
Multicast	IGMP snooping V1/V2/V3		
QoS	Supports QoS Class, Remarking, SP, WRR queue scheduling, Policy-based QoS, Ingress/Egress port based rate limit		
Security	Supports 802.1x, Port authentication, MAC authentication, RADIUS service, Supports Port-security, IP Source Guard, IP/Port/MAC binding, ARP-check and ARP packet filtering for illegal users		
Management & Maintenance	Web based management, SNMP V1/V2C/V3, Telnet/SSH server LLDP, RMON alarm, NTP, Ping Tracert, TFTP client, IPv6 PoE Management		
L3 Management			
ARP	ARP table aging		
IPv4/IPv6	Static routing		
DHCP	DHCP server		

Model	SMX840-D3		SMX840P-D3
Environmental			
Operating Temperature	-40°C ~ +75°C		
Storage Temperature	-40°C ~ +85°C		
Relative Humidity	5 ~ 90% non-condensing		
MTBF	590.000h		
Electrical and Physical			
Redundant Power Inputs	12-57VDC	44-57VDC	
Max Power consumption	18W	258W	
Input polarity protection	Yes		
Case	IP40 aluminum case		
Cooling	Natural cooling, no fan design		
Dimensions (H * D * W)	158 * 115 * 54mm		
Weight	~1.2kg		
Mounting	Din-rail / Wallmount		
Certifications			
Standards	Surge protection for power ports: 6KV/4KV (EN 61000-4-5)		
	Surge protection for Ethernet ports: 6KV/2KV (EN 61000-4-5)		
	Vibration: IEC 60068-2-6:2007		
	Shock: IEC 60068-2-27:2008		
	Free fall: IEC 60068-2-32:1975		
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
FCC Part 15, Subpart B:2016, ANSI C63.4:2014			
RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102			

ORDERING INFORMATION

Model name	Description
SMX840-D3	Managed L2+ Industrial Switch 8*10/100/1000Base-TX RJ45 and 4*1/2.5/10G Base-X SFP+ ports, redundant 12-57VDC inputs, Din-Rail
SMX840P-D3	Managed L2+ Industrial Switch 8*10/100/1000Base-TX RJ45 PoE and 4*1/2.5/10GBase-X SFP+ ports, redundant 44-57VDC inputs, Din-Rail

OTHER

SFP modules and Power supplies are not included and to be purchased separately

Vikings Technology Co. Ltd.

www.vikingstechnology.com


sales@vikingstechnology.com

Last update 2025 March. Product specifications and availability are subject to change without further notice

KEY FEATURES

- 16*10/100/1000Base-TX RJ45 and 2*1/2.5/10GBase-X SFP+ ports
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Extended PoE and Ethernet transmission up to 250 meters
- Smart PoE management - PoE watchdog
- ERPS support with recovery time <50ms
- Electric up to 6KV surge protection
- Digital alarm output
- Operating temperature from -40°C to +75°C
- Redundant and wide power input range with input polarity protection
- Aluminum case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The SMX1620 series Industrial grade Layer 2+ Managed Ethernet Switch comes with 16 * 10/100/1000Mbps RJ45 and 2 * 1/2.5/10GBase-X SFP+ ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 30W per port (total 240W). Smart PoE management allows user to remotely reboot ports and enable PoE watchdog - auto reboot of not responding PoE devices. With in-built Ethernet extender function, signals on copper port can be transmitted & received up to 250meters from remote device, at the same time supplying PoE power. Ethernet Ring Protection Switching (ERPS) grants ultra fast recovery time of less than 50ms. Powerful Layer 2+ management and security functions, 2 * 10G SFP+ ports ensures suitability for large scale industrial network projects. Housed in rugged aluminum Din-rail or wall-mountable IP40 enclosure, no fan design with extreme temperatures operation, makes those Industrial grade Layer 2+ Managed Switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SMX1620-D3	SMX1620P-D3
Ports		
RJ45 ports and speed	16 * 10/100/1000Base-TX	
Fiber ports and speed	2 * 1/2.5/10GBase-X SFP+	
Combo ports and speed	n/a	
Management ports	1 * RJ45 Console	
I/O ports	1 * Digital alarm output relay, max 1A@24VDC	

Model	SMX1620-D3		SMX1620P-D3
Ethernet			
Switching Bandwidth	72Gbps		
Packet Forwarding	107.1Mpps		
Max Packet Length	10KB		
Packet Buffer	12Mb		
MAC Address Table	16K		
PoE	n/a	Ports 1-16: IEEE 802.3af/at, max output 30W per port (240W Total)	
Supported Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3x, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q IEEE802.1X, IEEE 802.1ab, IEEE 802.3ad, ITU-T G.8032		
L2 Management			
Port Features	Static & Dynamic aggregation, 1G/2.5G/10G aggregation IEEE802.3x flow control, Traffic statistics, Port isolation Network storm suppression based on port bandwidth Many to one port mirroring		
VLAN	Supports Access/Trunk/Hybrid modes		
VLAN Classification	Mac Based / IP Based / Protocol Based		
QinQ	Port-based / VLAN-based / Flow-based		
DHCP	Support DHCP client & DHCP snooping		
ACL	IP Standard / MAC extend / IP extend		
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS, MSTP		
Multicast	IGMP snooping V1/V2/V3		
QoS	Supports QoS Class, Remarking, SP, WRR queue scheduling, Policy-based QoS, Ingress/Egress port based rate limit		
Security	Supports 802.1x, Port authentication, MAC authentication, RADIUS service, Supports Port-security, IP Source Guard, IP/Port/MAC binding, ARP-check and ARP packet filtering for illegal users		
Management & Maintenance	Web based management, SNMP V1/V2C/V3, Telnet/SSH server LLDP, RMON alarm, NTP, Ping Tracert, TFTP client, IPv6 PoE Management		
L3 Management			
ARP	ARP table aging		
IPv4/IPv6	Static routing		
DHCP	DHCP server		

Model	SMX1620-D3		SMX1620P-D3
Environmental			
Operating Temperature	-40°C ~ +75°C		
Storage Temperature	-40°C ~ +85°C		
Relative Humidity	5 ~ 90% non-condensing		
MTBF	590.000h		
Electrical and Physical			
Redundant Power Inputs	12-58VDC	44-57VDC	
Max Power consumption	18W	258W	
Input polarity protection	Yes		
Case	IP40 aluminum case		
Cooling	Natural cooling, no fan design		
Dimensions (H * D * W)	158 * 115 * 54mm		
Weight	~1.4kg		
Mounting	Din-rail / Wallmount		
Certifications			
Standards	Surge protection for power ports: 6KV/4KV (EN 61000-4-5)		
	Surge protection for Ethernet ports: 6KV/2KV (EN 61000-4-5)		
	Vibration: IEC 60068-2-6:2007		
	Shock: IEC 60068-2-27:2008		
	Free fall: IEC 60068-2-32:1975		
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
FCC Part 15, Subpart B:2016, ANSI C63.4:2014			
RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102			

ORDERING INFORMATION

Model name	Description
SMX1620-D3	Managed L2+ Industrial Switch 16*10/100/1000Base-TX RJ45 and 2*1/2.5/10G Base-X SFP+ ports, redundant 12-58VDC inputs, Din-Rail
SMX1620P-D3	Managed L2+ Industrial Switch 16*10/100/1000Base-TX RJ45 PoE and 2*1/2.5/10GBase-X SFP+ ports, redundant 44-57VDC inputs, Din-Rail

OTHER

SFP modules and Power supplies are not included and to be purchased separately

Vikings Technology Co. Ltd.

www.vikingstechnology.com


sales@vikingstechnology.com

Last update 2025 March. Product specifications and availability are subject to change without further notice



KEY FEATURES

- 24*10/100/1000Base-TX RJ45 and 4*1/2.5/10GBase-X SFP+ ports
- Industrial Hardened grade designed to operate in harsh environmental conditions
- Extended PoE and Ethernet transmission up to 250 meters
- Up to 90W per port PoE++ support, IEEE 802.3af/at/bt compatible
- Smart PoE management - PoE watchdog
- ERPS support with recovery time <50ms
- Electric up to 6KV surge protection
- USB port for configuration and upgrading
- Operating temperature from -40°C to +75°C
- Redundant power inputs
- Metal case, no fan design
- 19" Rack mountable, 1U height
- 5 years warranty



INTRODUCTION

The SMX2440 series Industrial grade Layer 2+ Managed Ethernet Switch comes with 24*10/100/1000Mbps RJ45 and 4*1/2.5/10GBase-X SFP+ ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 90W per port, IEEE 802.3af/at/bt compatible. Smart PoE management allows user to remotely reboot ports and enable PoE watchdog - auto reboot of not responding PoE devices. With in-built Ethernet extender function, signals on copper ports can be transmitted & received up to 250meters from remote devices, at the same time supplying PoE power. Ethernet Ring Protection Switching (ERPS) grants ultra fast recovery time of less than 50ms. Powerful Layer 2+ management and security functions ensures suitability for large scale industrial network projects. Housed in rugged metal 19" Rack mountable case, no fan design with extreme temperatures operation, makes those Industrial grade Layer 2+ Managed Ethernet Switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SMX2440-1U	SMX2440P-1U
Ports		
RJ45 ports and speed	24 * 10/100/1000Base-TX	
Fiber ports and speed	4 * 1/2.5/10GBase-X SFP+	
Combo ports and speed	n/a	
Management ports	1 * RJ45 Console 1 * USB 2.0	
I/O ports	n/a	

Model	SMX2440-1U		SMX2440P-1U	
Ethernet				
Switching Bandwidth	128Gbps			
Packet Forwarding	190.4Mpps			
Max Packet Length	10KB			
Packet Buffer	12Mb			
MAC Address Table	16K			
PoE	Not supported		Ports 1-2: IEEE 802.3af/at/bt, up to 90W per port Ports 3-24: IEEE 802.3af/at, up to 30W per port 370W Total	
Supported Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3x, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q IEEE802.1X, IEEE 802.1ab, IEEE 802.3ad, ITU-T G.8032, IEEE802.3ae			
L2 Management				
Port Features	Static & Dynamic aggregation, 1G/2.5G/10G aggregation IEEE802.3x flow control, Traffic statistics, Port isolation Network storm suppression based on port bandwidth Many to one port mirroring			
VLAN	Supports Access/Trunk/Hybrid modes			
VLAN Classification	Mac Based / IP Based / Protocol Based			
QinQ	Port-based / VLAN-based / Flow-based			
DHCP	Support DHCP client & DHCP snooping			
ACL	IP Standard / MAC extend / IP extend			
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS, MSTP			
Multicast	IGMP snooping V1/V2/V3			
QoS	Supports QoS Class, Remarking, SP, WRR queue scheduling, Policy-based QoS, Ingress/Egress port based rate limit			
Security	Supports 802.1x, Port authentication, MAC authentication, RADIUS service, Supports Port-security, IP Source Guard, IP/Port/MAC binding, ARP-check and ARP packet filtering for illegal users			
Management & Maintenance	Web based management, SNMP V1/V2C/V3, Telnet/SSH server LLDP, RMON alarm, NTP, Ping, Tracert, TFTP client, IPv6 PoE Management			
L3 Management				
ARP	ARP table aging			
IPv4/IPv6	Static routing			
DHCP	DHCP server			

Model	SMX2440-1U		SMX2440P-1U
Environmental			
Operating Temperature	-40°C ~ +75°C		
Storage Temperature	-40°C ~ +85°C		
Relative Humidity	5 ~ 90% non-condensing		
MTBF	470.000h		
Electrical and Physical			
Redundant Power Inputs	100~240VAC	44-57VDC	
Max Power consumption	32W	400W	
Input polarity protection	Yes		
Case	IP40 metal case		
Cooling	Natural cooling, no fan design		
Dimensions (H * D * W)	44 * 280 * 440mm		
Weight	~5.2kg		
Mounting	19" Rack mountable, 1U height		
Certifications			
Standards	Surge protection for power ports: 6KV/4KV (EN 61000-4-5)		
	Surge protection for Ethernet ports: 6KV/2KV (EN 61000-4-5)		
	Vibration: IEC 60068-2-6:2007		
	Shock: IEC 60068-2-27:2008		
	Free fall: IEC 60068-2-32:1975		
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
FCC Part 15, Subpart B:2016, ANSI C63.4:2014			
RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102			

ORDERING INFORMATION

Model name	Description
SMGX440-1U	Managed L2+ Industrial Switch 24*10/100/1000Base-TX RJ45 and 4*1/2.5/10GBase-X SFP+ ports, redundant 100~240VAC inputs, Rack mount
SMX2440P-1U	Managed L2+ Industrial Switch 24*10/100/1000Base-TX RJ45 PoE++ and 4*1/2.5/10GBase-X SFP+ ports, redundant 44-57VDC inputs, Rack mount

OTHER

SFP modules and Power supplies are not included and to be purchased separately



Vikings Technology Co. Ltd.

www.vikingstechnology.com

sales@vikingstechnology.com

Last update 2025 April. Product specifications and availability are subject to change without further notice



ikings Technology

SMX1648 series

Managed L2+ Industrial Switch

KEY FEATURES

- 16*10/100/1000Base-TX RJ45 and 4*1/2.5/10GBase-X SFP+ and 8*1G Combo ports
- Industrial Hardened grade designed to operate in harsh environmental conditions
- Up to 90W per port PoE++ support, IEEE 802.3af/at/bt compatible
- Smart PoE management - PoE watchdog
- ERPS support with recovery time <50ms
- Electric up to 6KV surge protection
- USB port for configuration and upgrading
- Operating temperature from -40°C to +75°C
- Redundant power inputs
- Metal case, no fan design
- 19" Rack mountable, 1U height
- 5 years warranty



INTRODUCTION

The SMX1648 series Industrial grade Layer 2+ Managed Ethernet Switch comes with 16*10/100/1000Mbps RJ45 and 4*1/2.5/10GBase-X SFP+ and 8*1G Combo ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 90W per port, IEEE 802.3af/at/bt compatible. Smart PoE management allows user to remotely reboot ports and enable PoE watchdog - auto reboot of not responding PoE devices. W in-built Ethernet extender function, signals on copper ports can be transmitted & received up to 250meters from remote devices, at the same time supplying PoE power. Ethernet Ring Protection Switching (ERPS) grants ultra fast recovery time of less than 50ms. Powerful Layer 2+ management and security functions ensures suitability for large scale industrial network projects. Housed in rugged metal 19" Rack mountable case, no fan design with extreme temperatures operation, makes those Industrial grade Layer 2+ Managed Ethernet Switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SMX1648-1U	SMX1648P-1U
Ports		
RJ45 ports and speed	16 * 10/100/1000Base-TX	
Fiber ports and speed	4 * 1/2.5/10GBase-X SFP+	
Combo ports and speed	8 * 10/100/1000Base-TX or 1000Base-X SFP	
Management ports	1 * RJ45 Console 1 * USB 2.0	
I/O ports	n/a	

Model	SMX1648-1U		SMX1648P-1U
Ethernet			
Switching Bandwidth	128Gbps		
Packet Forwarding	190.4Mpps		
Max Packet Length	10KB		
Packet Buffer	12Mb		
MAC Address Table	16K		
PoE	Not supported	Ports 1-2: IEEE 802.3af/at/bt, up to 90W per port Ports 3-16: IEEE 802.3af/at, up to 30W per port 370W Total	
Supported Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3x, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q IEEE802.1X, IEEE 802.1ab, IEEE 802.3ad, ITU-T G.8032, IEEE802.3ae		
L2 Management			
Port Features	Static & Dynamic aggregation, 1G/2.5G/10G aggregation IEEE802.3x flow control, Traffic statistics, Port isolation Network storm suppression based on port bandwidth Many to one port mirroring		
VLAN	Supports Access/Trunk/Hybrid modes		
VLAN Classification	Mac Based / IP Based / Protocol Based		
QinQ	Port-based / VLAN-based / Flow-based		
DHCP	Support DHCP client & DHCP snooping		
ACL	IP Standard / MAC extend / IP extend		
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS, MSTP		
Multicast	IGMP snooping V1/V2/V3		
QoS	Supports QoS Class, Remarking, SP, WRR queue scheduling, Policy-based QoS, Ingress/Egress port based rate limit		
Security	Supports 802.1x, Port authentication, MAC authentication, RADIUS service, Supports Port-security, IP Source Guard, IP/Port/MAC binding, ARP-check and ARP packet filtering for illegal users		
Management & Maintenance	Web based management, SNMP V1/V2C/V3, Telnet/SSH server LLDP, RMON alarm, NTP, Ping Tracert, TFTP client, IPv6 PoE Management		
L3 Management			
ARP	ARP table aging		
IPv4/IPv6	Static routing		
DHCP	DHCP server		

Model	SMX1648-1U		SMX1648P-1U	
Environmental				
Operating Temperature	-40°C ~ +75°C			
Storage Temperature	-40°C ~ +85°C			
Relative Humidity	5 ~ 90% non-condensing			
MTBF	470.000h			
Electrical and Physical				
Redundant Power Inputs	100~240VAC		44-57VDC	
Max Power consumption	36W		410W	
Input polarity protection	Yes			
Case	IP40 metal case			
Cooling	Natural cooling, no fan design			
Dimensions (H * D * W)	44 * 280 * 440mm			
Weight	~5.2kg			
Mounting	19" Rack mountable, 1U height			
Certifications				
Standards	Surge protection for power ports: 6KV/4KV (EN 61000-4-5)			
	Surge protection for Ethernet ports: 6KV/2KV (EN 61000-4-5)			
	Vibration: IEC 60068-2-6:2007			
	Shock: IEC 60068-2-27:2008			
	Free fall: IEC 60068-2-32:1975			
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020			
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01			
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012			
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023			
	CE 2014/35/EU LVD, EN IEC 62368-1:2024			
FCC Part 15, Subpart B:2016, ANSI C63.4:2014				
RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102				

ORDERING INFORMATION

Model name	Description
SMX1648-1U	Managed L2+ Industrial Switch 16*10/100/1000Base-TX RJ45 and 4*1/2.5/10GBase-X SFP+ and 8*1G COMBO ports, redundant 100~240VAC inputs,
SMX1648P-1U	Managed L2+ Industrial Switch 16*10/100/1000Base-TX RJ45 PoE++ and 4*1/2.5/10GBase-X SFP+ and 8*1G COMBO ports, redundant 44-57VDC inputs, Rack mount

OTHER

SFP modules and Power supplies are not included and to be purchased separately



Vikings Technology Co. Ltd.

www.vikingstechnology.com

sales@vikingstechnology.com

Last update 2025 April. Product specifications and availability are subject to change without further notice

KEY FEATURES

- 16*100/1000Base-X SFP and 4*1/2.5/10GBase-X SFP+ and 8*1G Combo ports
- Industrial Hardened grade designed to operate in harsh environmental conditions
- ERPS support with recovery time <50ms
- IPv4/IPv6 static routing support
- Electric up to 6KV surge protection
- USB port for configuration and upgrading
- Operating temperature from -40°C to +75°C
- Redundant power inputs
- Metal case, no fan design
- 19" Rack mountable, 1U height
- 5 years warranty



INTRODUCTION

The SMX0208 series Industrial grade Layer 2+ Managed fiber Switch comes with 16*100/1000Base-X SFP and 4*1/2.5/10GBase-X SFP+ and 8*1G Combo ports. Ethernet Ring Protection Switching (ERPS) grants ultra fast recovery time of less than 50ms. Powerful Layer 2+ management and security functions, USB port for one key configuration ensures those switches suitability for large scale complex industrial network projects. Housed in rugged metal 19" Rack mountable case, no fan design with extreme temperatures operation, makes those Industrial grade Layer 2+ Managed Ethernet Switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SMX0208-1U
Ports	
RJ45 ports and speed	n/a (refer to Combo ports)
Fiber ports and speed	16 * 100/1000Base-X SFP 4 * 1/2.5/10GBase-X SFP+
Combo ports and speed	8 * 10/100/1000Base-TX or 1000Base-X SFP
Management ports	1 * RJ45 Console 1 * USB 2.0
I/O ports	n/a

Model	SMX0208-1U
Ethernet	
Switching Bandwidth	128Gbps
Packet Forwarding	190.4Mpps
Max Packet Length	10KB
Packet Buffer	12Mb
MAC Address Table	16K
PoE	n/a
Supported Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3x, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q IEEE802.1X, IEEE 802.1ab, IEEE 802.3ad, ITU-T G.8032, IEEE802.3ae
L2 Management	
Port Features	Static & Dynamic aggregation, 1G/2.5G/10G aggregation IEEE802.3x flow control, Traffic statistics Port isolation, Network storm suppression based on port bandwidth Many to one port mirroring
VLAN	Supports Access, Trunk and Hybrid modes
VLAN Classification	Mac Based, IP Based, Protocol Based
QinQ	Port-based, VLAN-based, Flow-based
DHCP	Support DHCP client & DHCP snooping
ACL	IP Standard, MAC extend, IP extend
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS, MSTP
Multicast	IGMP snooping V1/V2/V3
QoS	Supports QoS Class, Remarking, SP WRR queue scheduling Policy-based QoS Ingress/Egress port based rate limit
Security	Supports 802.1x, Port authentication MAC authentication, RADIUS service Supports Port-security, IP Source Guard IP/Port/MAC binding ARP-check and ARP packet filtering for illegal users
Management & Maintenance	Web based management SNMP V1/V2C/V3, Telnet/SSH server LLDP, RMON alarm, NTP, Ping Tracert, TFTP client, IPv6
L3 Management	
ARP	ARP table aging
IPv4/IPv6	Static routing
DHCP	DHCP server

Model	SMX0208-1U
Environmental	
Operating Temperature	-40°C ~ +75°C
Storage Temperature	-40°C ~ +85°C
Relative Humidity	5 ~ 90% non-condensing
MTBF	470.000h
Electrical and Physical	
Redundant Power Inputs	100~240VAC
Max Power consumption	40W
Input polarity protection	Yes
Case	IP40 metal case
Cooling	Natural cooling, no fan design
Dimensions (H * D * W)	44 * 280 * 440mm
Weight	~5kg
Mounting	19" Rack mountable, 1U height
Certifications	
Standards	Surge protection for power ports: 6KV/4KV (EN 61000-4-5) Surge protection for Ethernet ports: 6KV/2KV (EN 61000-4-5) Vibration: IEC 60068-2-6:2007 Shock: IEC 60068-2-27:2008 Free fall: IEC 60068-2-32:1975 CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020 EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01 EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023 CE 2014/35/EU LVD, EN IEC 62368-1:2024 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102

ORDERING INFORMATION

Model name	Description
SMX0208-1U	Managed L2+ Industrial Fiber Switch 16*100/1000Base-X SFP and 4*1/2.5/10GBase-X SFP+ and 8*1G COMBO ports, redundant 100~240VAC inputs, Rack mount

OTHER

SFP modules and Power supplies are not included and to be purchased separately



KEY FEATURES

- 24*10/100/1000Base-TX RJ45 and 4*1/2.5GBase-X SFP ports
- Extended PoE and Ethernet transmission up to 250 meters
- 12Mb Packet buffer for smooth transfer of highest definition videos
- 68Gbps Switching Bandwidth
- IPv4/IPv6 static routing support
- 250W PoE Power budget (PoE version)
- ERPS support with recovery time <50ms
- Metal case
- 19" Rack mountable, 1U height
- 3 years warranty



INTRODUCTION

The SMG2440C series Layer 2+ Managed Ethernet Switch comes with 24*10/100/1000Mbps RJ45 and 4*1/2.5GBase-X SFP ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 30W per port with total up to 250W PoE budget. With in-built Ethernet extender function, signals on copper ports can be transmitted & received up to 250meters from remote devices, at the same time supplying PoE power. Ethernet Ring Protection Switching (ERPS) grants ultra fast recovery time of less than 50ms. Powerful Layer 2+ management and security functions with 1/2.5G SFP ports ensures suitability for small to medium scale network projects.

SPECIFICATIONS

Model	SMG2440C-1U	SMG2440CP-1U
Ports		
RJ45 ports and speed	24 * 10/100/1000Base-TX	
Fiber ports and speed	4 * 1/2.5GBase-X SFP	
Combo ports and speed	-	
Management ports	1 * RJ45 Console	

Model	SMG2440C-1U		SMG2440CP-1U
Ethernet			
Switching Bandwidth	68Gbps		
Packet Forwarding	101Mpps		
Max Packet Length	10KB		
Packet Buffer	12Mb		
MAC Address Table	16K		
PoE	n/a	Ports 1-24: IEEE 802.3af/at, max output 30W per port (250W Total)	
Supported Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3x, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q IEEE802.1X, IEEE 802.1ab, IEEE 802.3ad, ITU-T G.8032		
L2 Management			
Port Features	Static & Dynamic aggregation, 1/2.5G aggregation IEEE802.3x flow control, Traffic statistics Port isolation, Network storm suppression based on port bandwidth Many to one port mirroring		
VLAN	Supports Access, Trunk and Hybrid modes		
VLAN Classification	Mac Based, IP Based, Protocol Based		
QinQ	Port-based, VLAN-based, Flow-based		
DHCP	Support DHCP client & DHCP snooping		
ACL	IP Standard, MAC extend, IP extend		
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS, MSTP		
Multicast	IGMP snooping V1/V2/V3		
QoS	Supports QoS Class, Remarking, SP WRR queue scheduling Policy-based QoS Ingress/Egress port based rate limit		
Security	Supports 802.1x, Port authentication MAC authentication, RADIUS service Supports Port-security, IP Source Guard IP/Port/MAC binding ARP-check and ARP packet filtering for illegal users		
Management & Maintenance	Web based management SNMP V1/V2C/V3, Telnet/SSH server LLDP, RMON alarm, NTP, Ping Tracert, TFTP client, IPv6, PoE Management		
L3 Management			
ARP	ARP table aging		
IPv4/IPv6	Static routing		
DHCP	DHCP server		

Model	SMG2440C-1U		SMG2440CP-1U
Environmental			
Operating Temperature	0°C ~ +50°C		
Storage Temperature	-10°C ~ +70°C		
Relative Humidity	5 ~ 90% non-condensing		
MTBF	470.000h		
Electrical and Physical			
Power Input	100~240VAC		
Max Power consumption	24W	280W	
Input polarity protection	n/a		
Case	Metal case		
Cooling	Support fan speed control		
Dimensions (H * D * W)	44 * 180 * 440mm		
Weight	~3kg		
Mounting	19" Rack mountable, 1U height		
Certifications			
Standards	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
	FCC Part 15, Subpart B:2016, ANSI C63.4:2014		
	RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102		

ORDERING INFORMATION

Model name	Description
SMG2440C-1U	Managed L2+ Switch 24*10/100/1000Base-TX RJ45 and 4*1/2.5GBase-X SFP ports, 100~240VAC input, Rack mount
SMG2440CP-1U	Managed L2+ Switch 24*10/100/1000Base-TX RJ45 PoE and 4*1/2.5GBase-X SFP ports, 100~240VAC input, Rack mount

OTHER

SFP modules are not included and to be purchased separately



KEY FEATURES

- 16*10/100/1000Base-TX RJ45 and 4*1/2.5GBase-X SFP and 8*1G Combo ports
- Extended PoE and Ethernet transmission up to 250 meters
- 12M Packet buffer for smooth transfer of highest definition videos
- 68Gbps Switching Bandwidth
- IPv4/IPv6 static routing support
- 370W PoE Power budget (PoE version)
- ERPS support with recovery time <50ms
- Metal case
- 19" Rack mountable, 1U height
- 3 years warranty



INTRODUCTION

The SMG1648C series Layer 2+ Managed Ethernet Switch comes with 16*10/100/1000Mbps RJ45 and 4*1/2.5GBase-X SFP and 8*1G Combo ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 30W per port with total up to 370W PoE budget. With in-built Ethernet extender function, signals on copper ports can be transmitted & received up to 250meters from remote devices, at the same time supplying PoE power. Ethernet Ring Protection Switching (ERPS) grants ultra fast recovery time of less than 50ms. Powerful Layer 2+ management and security functions with 1/2.5G SFP ports ensures suitability for small to medium scale network projects.

SPECIFICATIONS

Model	SMG1648C-1U	SMG1648CP-1U
Ports		
RJ45 ports and speed	16 * 10/100/1000Base-TX	
Fiber ports and speed	4 * 1/2.5GBase-X SFP	
Combo ports and speed	8 * 10/100/1000Base-TX or 1000Base-X SFP	
Management ports	1 * RJ45 Console	

Model	SMG1648C-1U		SMG1648CP-1U
Ethernet			
Switching Bandwidth	68Gbps		
Packet Forwarding	101Mpps		
Max Packet Length	10KB		
Packet Buffer	12Mb		
MAC Address Table	16K		
PoE	n/a	Ports 1-16: IEEE 802.3af/at, max output 30W per port (370W Total)	
Supported Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3x, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q IEEE802.1X, IEEE 802.1ab, IEEE 802.3ad, ITU-T G.8032		
L2 Management			
Port Features	Static & Dynamic aggregation, 1/2.5G aggregation IEEE802.3x flow control, Traffic statistics Port isolation, Network storm suppression based on port bandwidth Many to one port mirroring		
VLAN	Supports Access, Trunk and Hybrid modes		
VLAN Classification	Mac Based, IP Based, Protocol Based		
QinQ	Port-based, VLAN-based, Flow-based		
DHCP	Support DHCP client & DHCP snooping		
ACL	IP Standard, MAC extend, IP extend		
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS, MSTP		
Multicast	IGMP snooping V1/V2/V3		
QoS	Supports QoS Class, Remarking, SP WRR queue scheduling Policy-based QoS Ingress/Egress port based rate limit		
Security	Supports 802.1x, Port authentication MAC authentication, RADIUS service Supports Port-security, IP Source Guard IP/Port/MAC binding ARP-check and ARP packet filtering for illegal users		
Management & Maintenance	Web based management SNMP V1/V2C/V3, Telnet/SSH server LLDP, RMON alarm, NTP, Ping Tracert, TFTP client, IPv6, PoE Management		
L3 Management			
ARP	ARP table aging		
IPv4/IPv6	Static routing		
DHCP	DHCP server		

Model	SMG1648C-1U		SMG1648CP-1U
Environmental			
Operating Temperature	0°C ~ +50°C		
Storage Temperature	-10°C ~ +70°C		
Relative Humidity	5 ~ 90% non-condensing		
MTBF	470.000h		
Electrical and Physical			
Power Input	100~240VAC		
Max Power consumption	40W	440W	
Input polarity protection	n/a		
Case	Metal case		
Cooling	Support fan speed control		
Dimensions (H * D * W)	44 * 245 * 440mm		
Weight	~4kg		
Mounting	19" Rack mountable, 1U height		
Certifications			
Standards	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
	FCC Part 15, Subpart B:2016, ANSI C63.4:2014		
	RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102		

ORDERING INFORMATION

Model name	Description
SMG1648C-1U	Managed L2+ Switch 16*10/100/1000Base-TX RJ45 and 4*1/2.5GBase-X SFP and 8*1G Combo ports, 100~240VAC input, Rack mount
SMG1648CP-1U	Managed L2+ Switch 16*10/100/1000Base-TX RJ45 PoE and 4*1/2.5GBase-X SFP and 8*1G Combo ports, 100~240VAC input, Rack mount

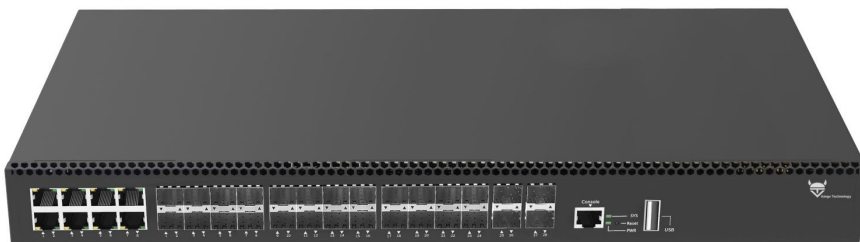
OTHER

SFP modules are not included and to be purchased separately



KEY FEATURES

- 16*100/1000Base-X SFP and 4*1/2.5GBase-X SFP and 8*1G Combo ports
- 12M Packet buffer for smooth transfer of highest definition videos
- ERPS support with recovery time <50ms
- IPv4/IPv6 static routing support
- 68Gbps Switching Bandwidth
- IGMP snooping V1/V2/V3
- Metal case
- 19" Rack mountable, 1U height
- 3 years warranty



INTRODUCTION

The SMG0208C series Layer 2+ Managed fiber Switch comes with 16*100/1000Base-X SFP and 4*1/2.5GBase-X SFP and 8*1G Combo ports. Ethernet Ring Protection Switching (ERPS) grants ultra fast recovery time of less than 50ms. Up to 28 SFP ports makes this Ethernet switch a perfect fiber switch to terminate your multiple media converters and other switches running on fiber cables. Powerful Layer 2+ management and security functions ensures suitability for small to medium scale network projects.

SPECIFICATIONS

Model	SMG0208C-1U
Ports	
RJ45 ports and speed	-
Fiber ports and speed	16 * 100/1000Base-X SFP 4 * 1/2.5GBase-X SFP
Combo ports and speed	8 * 10/100/1000Base-TX or 1000Base-X SFP
Management ports	1 * RJ45 Console 1 * USB 2.0

Model	SMG0208C-1U
Ethernet	
Switching Bandwidth	68Gbps
Packet Forwarding	101Mpps
Max Packet Length	10KB
Packet Buffer	12Mb
MAC Address Table	16K
PoE	n/a
Supported Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3x, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q IEEE802.1X, IEEE 802.1ab, IEEE 802.3ad, ITU-T G.8032
L2 Management	
Port Features	Static & Dynamic aggregation, 1/2.5G aggregation IEEE802.3x flow control, Traffic statistics Port isolation, Network storm suppression based on port bandwidth Many to one port mirroring
VLAN	Supports Access, Trunk and Hybrid modes
VLAN Classification	Mac Based, IP Based, Protocol Based
QinQ	Port-based, VLAN-based, Flow-based
DHCP	Support DHCP client & DHCP snooping
ACL	IP Standard, MAC extend, IP extend
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS, MSTP
Multicast	IGMP snooping V1/V2/V3
QoS	Supports QoS Class, Remarking, SP WRR queue scheduling Policy-based QoS Ingress/Egress port based rate limit
Security	Supports 802.1x, Port authentication MAC authentication, RADIUS service Supports Port-security, IP Source Guard IP/Port/MAC binding ARP-check and ARP packet filtering for illegal users
Management & Maintenance	Web based management SNMP V1/V2C/V3, Telnet/SSH server LLDP, RMON alarm, NTP, Ping Tracert, TFTP client, IPv6
L3 Management	
ARP	ARP table aging
IPv4/IPv6	Static routing
DHCP	DHCP server

Model	SMG0208C-1U
Environmental	
Operating Temperature	0°C ~ +50°C
Storage Temperature	-10°C ~ +70°C
Relative Humidity	5 ~ 90% non-condensing
MTBF	470.000h
Electrical and Physical	
Power Input	100~240VAC
Max Power consumption	40W
Input polarity protection	n/a
Case	Metal case
Cooling	Support fan speed control
Dimensions (H * D * W)	44 * 245 * 440mm
Weight	~4kg
Mounting	19" Rack mountable, 1U height
Certifications	
Standards	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020 EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01 EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023 CE 2014/35/EU LVD, EN IEC 62368-1:2024 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102

ORDERING INFORMATION

Model name	Description
SMG0208C-1U	Managed L2+ Fiber Switch 16*100/1000Base-X SFP and 4*1/2.5GBase-X SFP and 8*1G COMBO ports, 100~240VAC input, Rack mount

OTHER

SFP modules are not included and to be purchased separately



KEY FEATURES

- 24*10/100/1000Base-TX RJ45 and 4*1/2.5/10GBase-X SFP+ ports
- Extended PoE and Ethernet transmission up to 250 meters
- 12Mb Packet buffer for smooth transfer of highest definition videos
- 128Gbps Switching Bandwidth
- IPv4/IPv6 static routing support
- 250W PoE Power budget (PoE version)
- ERPS support with recovery time <50ms
- Metal case
- 19" Rack mountable, 1U height
- 3 years warranty



INTRODUCTION

The SMX2440C series Layer 2+ Managed Ethernet Switch comes with 24*10/100/1000Mbps RJ45 and 4*1/2.5/10GBase-X SFP+ ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 30W per port with total up to 250W PoE budget. With in-built Ethernet extender function, signals on copper ports can be transmitted & received up to 250meters from remote devices, at the same time supplying PoE power. Ethernet Ring Protection Switching (ERPS) grants ultra fast recovery time of less than 50ms. Powerful Layer 2+ management and security functions with 10G SFP ports ensures suitability for medium to large scale network projects.

SPECIFICATIONS

Model	SMX2440C-1U	SMX2440CP-1U
Ports		
RJ45 ports and speed	24 * 10/100/1000Base-TX	
Fiber ports and speed	4 * 1/2.5/10GBase-X SFP+	
Combo ports and speed	-	
Management ports	1 * RJ45 Console	

Model	SMX2440C-1U		SMX2440CP-1U	
Ethernet				
Switching Bandwidth	128Gbps			
Packet Forwarding	190Mpps			
Max Packet Length	10KB			
Packet Buffer	12Mb			
MAC Address Table	16K			
PoE	n/a		Ports 1-24: IEEE 802.3af/at, max output 30W per port (250W Total)	
Supported Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3x, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q IEEE802.1X, IEEE 802.1ab, IEEE 802.3ad, ITU-T G.8032, IEEE802.3ae			
L2 Management				
Port Features	Static & Dynamic aggregation, 1/2.5/10G aggregation IEEE802.3x flow control, Traffic statistics Port isolation, Network storm suppression based on port bandwidth Many to one port mirroring			
VLAN	Supports Access, Trunk and Hybrid modes			
VLAN Classification	Mac Based, IP Based, Protocol Based			
QinQ	Port-based, VLAN-based, Flow-based			
DHCP	Support DHCP client & DHCP snooping			
ACL	IP Standard, MAC extend, IP extend			
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS, MSTP			
Multicast	IGMP snooping V1/V2/V3			
QoS	Supports QoS Class, Remarking, SP WRR queue scheduling Policy-based QoS Ingress/Egress port based rate limit			
Security	Supports 802.1x, Port authentication MAC authentication, RADIUS service Supports Port-security, IP Source Guard IP/Port/MAC binding ARP-check and ARP packet filtering for illegal users			
Management & Maintenance	Web based management SNMP V1/V2C/V3, Telnet/SSH server LLDP, RMON alarm, NTP, Ping Tracert, TFTP client, IPv6, PoE Management			
L3 Management				
ARP	ARP table aging			
IPv4/IPv6	Static routing			
DHCP	DHCP server			

Model	SMX2440C-1U		SMX2440CP-1U
Environmental			
Operating Temperature	0°C ~ +50°C		
Storage Temperature	-10°C ~ +70°C		
Relative Humidity	5 ~ 90% non-condensing		
MTBF	470.000h		
Electrical and Physical			
Power Input	100~240VAC		
Max Power consumption	24W	280W	
Input polarity protection	n/a		
Case	Metal case		
Cooling	Support fan speed control		
Dimensions (H * D * W)	44 * 180 * 440mm		
Weight	~3kg		
Mounting	19" Rack mountable, 1U height		
Certifications			
Standards	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
	FCC Part 15, Subpart B:2016, ANSI C63.4:2014		
	RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102		

ORDERING INFORMATION

Model name	Description
SMX2440C-1U	Managed L2+ Switch 24*10/100/1000Base-TX RJ45 and 4*1/2.5/10GBase-X SFP+ ports, 100~240VAC input, Rack mount
SMX2440CP-1U	Managed L2+ Switch 24*10/100/1000Base-TX RJ45 PoE and 4*1/2.5/10GBase-X SFP+ ports, 100~240VAC input, Rack mount

OTHER

SFP modules are not included and to be purchased separately



KEY FEATURES

- 16*10/100/1000Base-TX RJ45 and 4*1/2.5/10GBase-X SFP+ and 8*1G Combo ports
- Extended PoE and Ethernet transmission up to 250 meters
- 12M Packet buffer for smooth transfer of highest definition videos
- 128Gbps Switching Bandwidth
- IPv4/IPv6 static routing support
- 370W PoE Power budget (PoE version)
- ERPS support with recovery time <50ms
- Metal case
- 19" Rack mountable, 1U height
- 3 years warranty



INTRODUCTION

The SMX1648C series Layer 2+ Managed Ethernet Switch comes with 16*10/100/1000Mbps RJ45 and 4*1/2.5/10GBase-X SFP+ and 8*1G Combo ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 30W per port with total up to 370W PoE budget. With in-built Ethernet extender function, signals on copper ports can be transmitted & received up to 250meters from remote devices, at the same time supplying PoE power. Ethernet Ring Protection Switching (ERPS) grants ultra fast recovery time of less than 50ms. Powerful Layer 2+ management and security functions with 10G SFP ports ensures suitability for medium to large scale network projects.

SPECIFICATIONS

Model	SMX1648C-1U	SMX1648CP-1U
Ports		
RJ45 ports and speed	16 * 10/100/1000Base-TX	
Fiber ports and speed	4 * 1/2.5/10GBase-X SFP+	
Combo ports and speed	8 * 10/100/1000Base-TX or 1000Base-X SFP	
Management ports	1 * RJ45 Console	

Model	SMX1648C-1U		SMX1648CP-1U	
Ethernet				
Switching Bandwidth	128Gbps			
Packet Forwarding	190Mpps			
Max Packet Length	10KB			
Packet Buffer	12Mb			
MAC Address Table	16K			
PoE	n/a		Ports 1-16: IEEE 802.3af/at, max output 30W per port (370W Total)	
Supported Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3x, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q IEEE802.1X, IEEE 802.1ab, IEEE 802.3ad, ITU-T G.8032, IEEE802.3ae			
L2 Management				
Port Features	Static & Dynamic aggregation, 1/2.5/10G aggregation IEEE802.3x flow control, Traffic statistics Port isolation, Network storm suppression based on port bandwidth Many to one port mirroring			
VLAN	Supports Access, Trunk and Hybrid modes			
VLAN Classification	Mac Based, IP Based, Protocol Based			
QinQ	Port-based, VLAN-based, Flow-based			
DHCP	Support DHCP client & DHCP snooping			
ACL	IP Standard, MAC extend, IP extend			
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS, MSTP			
Multicast	IGMP snooping V1/V2/V3			
QoS	Supports QoS Class, Remarking, SP WRR queue scheduling Policy-based QoS Ingress/Egress port based rate limit			
Security	Supports 802.1x, Port authentication MAC authentication, RADIUS service Supports Port-security, IP Source Guard IP/Port/MAC binding ARP-check and ARP packet filtering for illegal users			
Management & Maintenance	Web based management SNMP V1/V2C/V3, Telnet/SSH server LLDP, RMON alarm, NTP, Ping Tracert, TFTP client, IPv6, PoE Management			
L3 Management				
ARP	ARP table aging			
IPv4/IPv6	Static routing			
DHCP	DHCP server			

Model	SMX1648C-1U		SMX1648CP-1U
Environmental			
Operating Temperature	0°C ~ +50°C		
Storage Temperature	-10°C ~ +70°C		
Relative Humidity	5 ~ 90% non-condensing		
MTBF	470.000h		
Electrical and Physical			
Power Input	100~240VAC		
Max Power consumption	40W	440W	
Input polarity protection	n/a		
Case	Metal case		
Cooling	Support fan speed control		
Dimensions (H * D * W)	44 * 245 * 440mm		
Weight	~4kg		
Mounting	19" Rack mountable, 1U height		
Certifications			
Standards	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020 EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01 EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023 CE 2014/35/EU LVD, EN IEC 62368-1:2024 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102		

ORDERING INFORMATION

Model name	Description
SMX1648C-1U	Managed L2+ Switch 16*10/100/1000Base-TX RJ45 and 4*1/2.5/10GBase-X SFP+ and 8*1G Combo ports, 100~240VAC input, Rack mount
SMX1648CP-1U	Managed L2+ Switch 16*10/100/1000Base-TX RJ45 PoE and 4*1/2.5/10GBase-X SFP+ and 8*1G Combo ports, 100~240VAC input, Rack mount

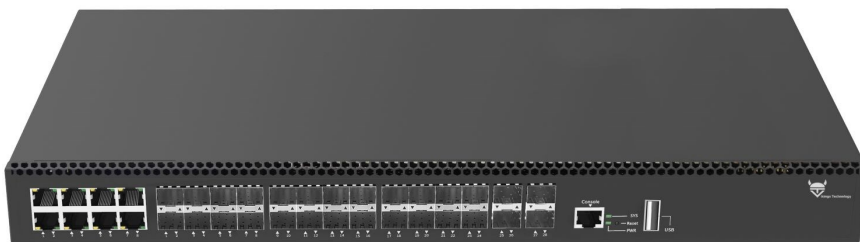
OTHER

SFP modules are not included and to be purchased separately



KEY FEATURES

- 16*100/1000Base-X SFP and 4*1/2.5/10GBase-X SFP+ and 8*1G Combo ports
- 12M Packet buffer for smooth transfer of highest definition videos
- ERPS support with recovery time <50ms
- IPv4/IPv6 static routing support
- 128Gbps Switching Bandwidth
- IGMP snooping V1/V2/V3
- Metal case
- 19" Rack mountable, 1U height
- 3 years warranty



INTRODUCTION

The SMX0208C series Layer 2+ Managed fiber Switch comes with 16*100/1000Base-X SFP and 4*1/2.5/10GBase-X SFP+ and 8*1G Combo ports. Ethernet Ring Protection Switching (ERPS) grants ultra fast recovery time of less than 50ms. Up to 28 SFP ports makes this Ethernet switch a perfect fiber switch to terminate your multiple media converters and other switches running on fiber cables. Powerful Layer 2+ management and security functions with up to 24*1G and 4*10G SFP+ ports ensures suitability for medium to large scale network projects.

SPECIFICATIONS

Model	SMX0208C-1U
Ports	
RJ45 ports and speed	-
Fiber ports and speed	16 * 100/1000Base-X SFP 4 * 1/2.5/10GBase-X SFP+
Combo ports and speed	8 * 10/100/1000Base-TX or 1000Base-X SFP
Management ports	1 * RJ45 Console 1 * USB 2.0

Model	SMX0208C-1U
Ethernet	
Switching Bandwidth	128Gbps
Packet Forwarding	190Mpps
Max Packet Length	10KB
Packet Buffer	12Mb
MAC Address Table	16K
PoE	n/a
Supported Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3x, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q IEEE802.1X, IEEE 802.1ab, IEEE 802.3ad, ITU-T G.8032, IEEE802.3ae
L2 Management	
Port Features	Static & Dynamic aggregation, 1/2.5/10G aggregation IEEE802.3x flow control, Traffic statistics Port isolation, Network storm suppression based on port bandwidth Many to one port mirroring
VLAN	Supports Access, Trunk and Hybrid modes
VLAN Classification	Mac Based, IP Based, Protocol Based
QinQ	Port-based, VLAN-based, Flow-based
DHCP	Support DHCP client & DHCP snooping
ACL	IP Standard, MAC extend, IP extend
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS, MSTP
Multicast	IGMP snooping V1/V2/V3
QoS	Supports QoS Class, Remarking, SP WRR queue scheduling Policy-based QoS Ingress/Egress port based rate limit
Security	Supports 802.1x, Port authentication MAC authentication, RADIUS service Supports Port-security, IP Source Guard IP/Port/MAC binding ARP-check and ARP packet filtering for illegal users
Management & Maintenance	Web based management SNMP V1/V2C/V3, Telnet/SSH server LLDP, RMON alarm, NTP, Ping Tracert, TFTP client, IPv6
L3 Management	
ARP	ARP table aging
IPv4/IPv6	Static routing
DHCP	DHCP server

Model	SMX0208C-1U
Environmental	
Operating Temperature	0°C ~ +50°C
Storage Temperature	-10°C ~ +70°C
Relative Humidity	5 ~ 90% non-condensing
MTBF	470.000h
Electrical and Physical	
Power Input	100~240VAC
Max Power consumption	40W
Input polarity protection	n/a
Case	Metal case
Cooling	Support fan speed control
Dimensions (H * D * W)	44 * 245 * 440mm
Weight	~4kg
Mounting	19" Rack mountable, 1U height
Certifications	
Standards	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020 EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01 EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023 CE 2014/35/EU LVD, EN IEC 62368-1:2024 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102

ORDERING INFORMATION

Model name	Description
SMX0208C-1U	Managed L2+ Fiber Switch 16*100/1000Base-X SFP and 4*1/2.5/10GBase-X SFP+ and 8*1G COMBO ports, 100~240VAC input, Rack mount

OTHER

SFP modules are not included and to be purchased separately



KEY FEATURES

- 48*10/100/1000Base-TX RJ45 and 4*1/2.5/10GBase-X SFP+ ports
- Extended PoE and Ethernet transmission up to 250 meters
- 12M Packet buffer for smooth transfer of highest definition videos
- 352Gbps Switching Bandwidth
- 370W PoE Power budget (PoE version)
- ERPS support with recovery time <50ms
- Metal case
- 19" Rack mountable, 1U height
- 3 years warranty



INTRODUCTION

The SMX4840C series Layer 2+ Managed Ethernet Switch comes with 48*10/100/1000Mbps RJ45 and 4*1/2.5/10GBase-X SFP+ ports. The PoE version provides PoE as Power Sourcing Equipment (PSE) up to 30W per port with total up to 370W PoE budget. With in-built Ethernet extender function, signals on copper ports can be transmitted & received up to 250meters from remote devices, at the same time supplying PoE power. Ethernet Ring Protection Switching (ERPS) grants ultra fast recovery time of less than 50ms. Powerful Layer 2+ management and security functions with 10G SFP ports ensures suitability for medium to large scale network projects.

SPECIFICATIONS

Model	SMX4840C-1U	SMX4840CP-1U
Ports		
RJ45 ports and speed	48 * 10/100/1000Base-TX	
Fiber ports and speed	4 * 1/2.5/10GBase-X SFP+	
Combo ports and speed	-	
Management ports	1 * RJ45 Console	

Model	SMX4840C-1U		SMX4840CP-1U	
Ethernet				
Switching Bandwidth	336Gbps			
Packet Forwarding	500Mpps			
Max Packet Length	10KB			
Packet Buffer	12Mb			
MAC Address Table	16K			
PoE	n/a		Ports 1-48: IEEE 802.3af/at, max output 30W per port (370W Total)	
Supported Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3x, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q IEEE802.1X, IEEE 802.1ab, IEEE 802.3ad, ITU-T G.8032, IEEE802.3ae			
L2 Management				
Port Features	Static & Dynamic aggregation, 1G/2.5G/10G aggregation IEEE802.3x flow control, Traffic statistics Port isolation, Network storm suppression based on port bandwidth Many to one port mirroring			
VLAN	Supports Access, Trunk and Hybrid modes			
VLAN Classification	Mac Based, IP Based, Protocol Based			
QinQ	Port-based, VLAN-based, Flow-based			
DHCP	Support DHCP client & DHCP snooping			
ACL	IP Standard, MAC extend, IP extend			
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS, MSTP			
Multicast	IGMP snooping V1/V2/V3			
QoS	Supports QoS Class, Remarking, SP WRR queue scheduling Policy-based QoS Ingress/Egress port based rate limit			
Security	Supports 802.1x, Port authentication MAC authentication, RADIUS service Supports Port-security, IP Source Guard IP/Port/MAC binding ARP-check and ARP packet filtering for illegal users			
Management & Maintenance	Web based management SNMP V1/V2C/V3, Telnet/SSH server LLDP, RMON alarm, NTP, Ping Tracert, TFTP client, IPv6, PoE Management			
L3 Management				
ARP	ARP table aging			
IPv4/IPv6	Static routing			
DHCP	DHCP server			

Model	SMX4840C-1U		SMX4840CP-1U
Environmental			
Operating Temperature	0°C ~ +50°C		
Storage Temperature	-10°C ~ +70°C		
Relative Humidity	5 ~ 90% non-condensing		
MTBF	470.000h		
Electrical and Physical			
Power Input	100~240VAC*		
Max Power consumption	40W	410W	
Input polarity protection	n/a		
Case	Metal case		
Cooling	Support fan speed control		
Dimensions (H * D * W)	44 * 300 * 440mm		
Weight	~5kg		
Mounting	19" Rack mountable, 1U height		
Certifications			
Standards	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
	FCC Part 15, Subpart B:2016, ANSI C63.4:2014		
	RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102		

ORDERING INFORMATION

Model name	Description
SMX4840C-1U	Managed L2+ Switch 48*10/100/1000Base-TX RJ45 and 4*1/2.5/10GBase-X SFP+ ports, 100~240VAC input*, Rack mount
SMX4840CP-1U	Managed L2+ Switch 48*10/100/1000Base-TX RJ45 PoE and 4*1/2.5/10GBase-X SFP+ ports, 100~240VAC input*, Rack mount

OTHER

SFP modules are not included and to be purchased separately

* by default single 100~240VAC input, optionally - redundant (2) 100 ~ 240VAC inputs



KEY FEATURES

- 48*100/1000Base-X SFP and 4*1/2.5/10GBase-X SFP+ ports
- 12M Packet buffer for smooth transfer of highest definition videos
- ERPS support with recovery time <50ms
- 336Gbps Switching Bandwidth
- IPv4/IPv6 static routing support
- IGMP snooping V1/V2/V3
- Metal case
- 19" Rack mountable, 1U height
- 3 years warranty



INTRODUCTION

The SMX0520C series Layer 2+ Managed fiber Switch comes with 48*100/1000Base-X SFP and 4*1/2.5/10GBase-X SFP+ ports. Ethernet Ring Protection Switching (ERPS) grants ultra fast recovery time of less than 50ms. Up to 52 SFP ports makes this Ethernet switch a perfect fiber switch to terminate your multiple media converters and other switches running on fiber cables. Powerful Layer 2+ management and security functions ensures suitability for medium to large scale network projects.

SPECIFICATIONS

Model	SMX0520C-1U	SMX0520C-1U-RP
Ports		
RJ45 ports and speed	-	
Fiber ports and speed	48 * 100/1000Base-X SFP 4 * 1/2.5/10GBase-X SFP+	
Combo ports and speed	-	
Management ports	1 * RJ45 Console 1 * USB 2.0	

Model	SMX0520C-1U	SMX0520C-1U-RP
Ethernet		
Switching Bandwidth	336Gbps	
Packet Forwarding	500Mpps	
Max Packet Length	10KB	
Packet Buffer	12Mb	
MAC Address Table	16K	
PoE	n/a	
Supported Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3x, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q IEEE802.1X, IEEE 802.1ab, IEEE 802.3ad, ITU-T G.8032, IEEE802.3ae	
L2 Management		
Port Features	Static & Dynamic aggregation, 1G/2.5G/10G aggregation, IEEE802.3x flow control, Traffic statistics, Port isolation, Network storm suppression based on port bandwidth, Many to one port mirroring	
VLAN	Supports Access/Trunk/Hybrid modes	
VLAN Classification	Mac Based / IP Based / Protocol Based	
QinQ	Port-based / VLAN-based / Flow-based	
DHCP	Support DHCP client & DHCP snooping	
ACL	IP Standard / MAC extend / IP extend	
Redundancy protocols	STP, RSTP, ITU-T G.8032 ERPS, MSTP	
Multicast	IGMP snooping V1/V2/V3	
QoS	Supports QoS Class, Remarking, SP WRR queue scheduling Policy-based QoS, Ingress/Egress port based rate limit	
Security	Supports 802.1x, Port authentication MAC authentication, RADIUS service Supports Port-security, IP Source Guard IP/Port/MAC binding ARP-check and ARP packet filtering for illegal users	
Management & Maintenance	Web based management SNMP V1/V2C/V3, Telnet/SSH server LLDP, RMON alarm, NTP, Ping Tracert, TFTP client, IPv6	
L3 Management		
ARP	ARP table aging	
IPv4/IPv6	Static routing	
DHCP	DHCP server	

Model	SMX0520C-1U		SMX0520C-1U-RP
Environmental			
Operating Temperature	0°C ~ +50°C		
Storage Temperature	-10°C ~ +70°C		
Relative Humidity	5 ~ 90% non-condensing		
MTBF	470.000h		
Electrical and Physical			
Power Input	100~240VAC		Redundant 100~240VAC
Max Power consumption	60W		
Input polarity protection	n/a		
Case	Metal case		
Cooling	Support fan speed control		
Dimensions (H * D * W)	44 * 300 * 440mm		
Weight	~6kg		~6,5kg
Mounting	19" Rack mountable, 1U height		
Certifications			
Standards	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020		
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01		
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012		
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023		
	CE 2014/35/EU LVD, EN IEC 62368-1:2024		
	FCC Part 15, Subpart B:2016, ANSI C63.4:2014		

ORDERING INFORMATION

Model name	Description
SMX0520C-1U	Managed L2+ Fiber Switch 48*100/1000Base-X SFP and 4*1/2.5/10GBase-X SFP+ ports, 100~240VAC input, Rack mount
SMX0520C-1U-RP	Managed L2+ Fiber Switch 48*100/1000Base-X SFP and 4*1/2.5/10GBase-X SFP+ ports, Redundant 100~240VAC inputs, Rack mount

OTHER

SFP modules are not included and to be purchased separately

KEY FEATURES

- 1*10/100/1000Base-TX data to 10/100/1000Base-TX data with PoE
- Versions with up to 30W and 90W PoE outputs available
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Operating temperature from -40°C to +75°C
- Wide power input from 12 to 48VDC
- Power boost
- IEEE802.3af/at/bt compliant
- Metal case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The INGP-D5 series Industrial grade Gigabit PoE Injectors are designed to inject and supply up to 90W PoE to power up your camera or any other PoE PD device. This PoE injector supports power boost, meaning you can power it from as low as 12VDC and get fully IEEE802.3af/at/bt compliant (up to 60W) PoE output. For more than 60W PoE output, min 24VDC power input required. All models supports 10/100/1000Mbps Ethernet. Housed in rugged metal Din-rail or wall-mountable enclosure, no fan design with extreme temperatures operation, makes those PoE Injectors a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	INGP-D5	INGP90-D5
Ports		
RJ45 ports and speed	1 * 10/100/1000Base-TX (In - Ethernet only) 1 * 10/100/1000Base-TX (Out - Ethernet with PoE)	
Ethernet		
Processing type	Forward	
PoE	IEEE802.3af/at Max output 30W	IEEE802.3af/at/bt Max output 90W
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab	

Model	INGP-D5		INGP90-D5	
Environmental				
Operating Temperature	-40°C ~ +75°C			
Storage Temperature	-40°C ~ +85°C			
Relative Humidity	0 ~ 90% non-condensing			
MTBF	480.000h			
Electrical and Physical				
Power Input	12-48VDC		12-48VDC For more than 60W PoE output, min 24VDC required	
Max Power consumption	35W		95W	
Cooling	Natural cooling, no fan design			
Dimensions (H * D * W)	95 * 70 * 30mm			
Weight	~250g			
Mounting	Din-rail / Wallmount			
Certification				
Standards	Surge protection for power ports: 6KV (EN 61000-4-5)			
	Surge protection for Ethernet ports: 6KV (EN 61000-4-5)			
	Vibration: IEC 60068-2-6:2007			
	Shock: IEC 60068-2-27:2008			
	Free fall: IEC 60068-2-32:1975			
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020			
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01			
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012			
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023			
	CE 2014/35/EU LVD, EN IEC 62368-1:2024			
FCC Part 15, Subpart B:2016, ANSI C63.4:2014				
RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102				

ORDERING INFORMATION

Model name	Description
INGP-D5	Industrial 30W PoE Injector, 2*10/100/1000Base-TX RJ45, 12-48VDC input, Din-Rail
INGP90-D5	Industrial 90W PoE Injector, 2*10/100/1000Base-TX RJ45, 12-48VDC input, Din-Rail

OTHER

Power supply is not included and to be purchased separately



KEY FEATURES

- Supports 10/100/1000Base-TX Ethernet
- Supports IEEE802.3af/at/bt PoE PSE
- Versions with 5V, 12V and 24V DC output available
- Inbuilt surge protection
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Operating temperature from -40°C to +75°C
- Metal case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The SPGP90-D5 series Industrial grade Gigabit PoE Splitters are designed to split power and Ethernet signals from Ethernet with PoE. This splitter is compatible with IEEE802.3af (15.4W), IEEE802.3at (30W) and IEEE802.3bt (90W) PoE PSE (Power Source Equipment). Versions with 5V, 12V and 24V DC output available. All models supports 10/100/1000Mbps Ethernet. Housed in rugged metal Din-rail or wall-mountable enclosure, no fan design with extreme temperatures operation, makes those PoE Splitters a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SPGP90-D5-5	SPGP90-D5-12	SPGP90-D5-24
Ports			
RJ45 ports and speed	1 * 10/100/1000Base-TX (in - Ethernet with PoE) 1 * 10/100/1000Base-TX (out - Ethernet only)		
Ethernet			
Processing type	Forward		
PoE	IEEE802.3af/at/bt (as input only)		
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab		

Model	SPGP90-D5-5		SPGP90-D5-12	SPGP90-D5-24
Environmental				
Operating Temperature	-40°C ~ +75°C			
Storage Temperature	-40°C ~ +85°C			
Relative Humidity	0 ~ 90% non-condensing			
MTBF	480.000h			
Electrical and Physical				
Power Input	PoE, IEEE802.3af/at/bt			
Power Output	5VDC	12VDC	24VDC	
Reference Max Power Output at DC terminals*	@IEEE802.3at: 10W @IEEE802.3bt: 20W	@IEEE802.3at: 20W @IEEE802.3bt: 36W	@IEEE802.3at: 20W @IEEE802.3bt: 40W	
Cooling	Natural cooling, no fan design			
Dimensions (H * D * W)	95 * 70 * 30mm			
Weight	~250g			
Mounting	Din-rail / Wallmount			
Certification				
Standards	Surge protection for Ethernet ports: 6KV (EN 61000-4-5)			
	Vibration: IEC 60068-2-6:2007			
	Shock: IEC 60068-2-27:2008			
	Free fall: IEC 60068-2-32:1975			
	CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020			
	EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01			
	EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012			
	EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023			
	CE 2014/35/EU LVD, EN IEC 62368-1:2024			
	FCC Part 15, Subpart B:2016, ANSI C63.4:2014			
RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102				

*Depends on PoE PSE (power source) supplied power

ORDERING INFORMATION

Model name	Description
SPGP90-D5-5	Industrial Gigabit 90W PoE Splitter, 2*10/100/1000Base-TX RJ45, 5VDC output, Din-Rail
SPGP90-D5-12	Industrial Gigabit 90W PoE Splitter, 2*10/100/1000Base-TX RJ45, 12VDC output, Din-Rail
SPGP90-D5-24	Industrial Gigabit 90W PoE Splitter, 2*10/100/1000Base-TX RJ45, 24VDC output, Din-Rail



Vikings Technology Co. Ltd.

www.vikingstechnology.com

sales@vikingstechnology.com

Last update 2025 March. Product specifications and availability are subject to change without further notice



KEY FEATURES

- Ethernet & PoE extension
- IP67 Weatherproof aluminum enclosure
- 1*10/100/1000Base-TX in & 2*10/100/1000Base-TX out
- IEEE802.3af/at/bt compliant, up to 90W PoE++
- Up to 3 units cascade connection
- Industrial, no fan design
- Electric up to 6kV surge protection
- No external power input required
- 5 years warranty



INTRODUCTION

The SUG300P90-S11 Weatherproof PoE Extenders are designed to extend Ethernet & PoE by extra 100meters. Up to 3 units can be connected in the cascade, which allows a total of up to 400meters Ethernet link over standard Ethernet cables. For powering, unit acts as PoE/PD type device and accepts up to 90W PoE++ power input. For it's remaining 2 Ethernet ports output, unit acts as PoE/PSE type device and can power up other PoE/PD type devices with a total of up to 65W PoE power. All ports supports high speed gigabit Ethernet. Housed in rugged, IP67 rated weatherproof aluminum enclosure, no fan design with extreme temperatures operation, makes those PoE Extenders a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SUG300P90-S11	
Ports		
RJ45 ports and speed	1 * 10/100/1000Base-TX (In) 2 * 10/100/1000Base-TX (Out)	
Ethernet		
Processing type	Store and Forward	
Max Packet Length	10KB	
Switching Bandwidth	6Gbps	
Packet forwarding	4.4Mpps	
MAC Address Table	2K	
PoE	Input: 1 * IEEE 802.3at/bt max 90W Output: 2 * IEEE 802.3af/at/bt max 60W per port (up to 65W Total)	
Max reference total PoE output	With 30W PoE input: 1unit @200meters - up to 19W 2units @300meters - up to 12W 3units @400meters - N/A	With 90W PoE input: 1unit @200meters - up to 52W 2units @300meters - up to 38W 3units @400meters - up to 23W
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab	

Model	SUG300P90-S11
Environmental	
Operating Temperature	-40°C ~ +75°C
Storage Temperature	-40°C ~ +85°C
Relative Humidity	0 ~ 90% non-condensing
MTBF	480.000h
Electrical and Physical	
Power Input	PoE, IEEE 802.3at/bt max 90W
PoE Pins	1/2(+); 3/6(-); 4/5(+); 7/8 (-)
Cooling	Natural cooling, no fan design
Dimensions (H * D * W)	42 * 195 * 75mm
Weight	~500g
Mounting	Desktop / Wallmount
Enclosure	IP67, aluminum
Certification	
Standards	Surge protection for Ethernet ports: 6KV (EN 61000-4-5) Vibration: IEC 60068-2-6:2007 Shock: IEC 60068-2-27:2008 Free fall: IEC 60068-2-32:1975 CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020 EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01 EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023 CE 2014/35/EU LVD, EN IEC 62368-1:2024 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102

ORDERING INFORMATION

Model name	Description
SUG300P90-S11	Weatherproof Industrial PoE++ Extender, 1*10/100/1000Base-TX RJ45 in and 2*10/100/1000Base-TX RJ45 out

KEY FEATURES

- MSA (Multi-Source Agreement) compliant
- DDM (Digital Diagnostic Monitoring) support
- Industrial Hardened grade design
- Operation temperature from -40°C to +85°C
- Metal enclosure for low EMI
- RoHS Compliant and Lead-free



INTRODUCTION

Our SFP modules are Multi-Source Agreement (MSA) compliant, which ensures compatibility with 3rd party MSA compliant SFP modules, switches, media converters and other equipment. Inbuilt Digital Diagnostic Monitoring (DDM) support. It's industrial hardened grade design ensures stable operation in extreme temperatures from -40°C to +85°C. SFP modules for 100Mbps, 1Gbps and 10Gbps speeds, for Singlemode and Multimode cables, LC and SC fiber connectors, single (WDM) and dual fibers available.

SPECIFICATIONS

Model Name	Speed	Fiber type	Fiber count	Wavelength, nm	Connector	Distance
SFP-FLC-MM	100Mbps	Multi Mode	2	1310	LC	2km
SFP-FLC-MMA	100Mbps	Multi Mode	1	1310 Tx / 1550 Rx	LC	2km
SFP-FLC-MMB	100Mbps	Multi Mode	1	1550 Tx / 1310 Rx	LC	2km
SFP-FLC-SM	100Mbps	Single Mode	2	1310	LC	20km
SFP-FLC-SMA	100Mbps	Single Mode	1	1310 Tx / 1550 Rx	LC	20km
SFP-FLC-SMB	100Mbps	Single Mode	1	1550 Tx / 1310 Rx	LC	20km
SFP-FSC-MMA	100Mbps	Multi Mode	1	1310 Tx / 1550 Rx	SC	2km
SFP-FSC-MMB	100Mbps	Multi Mode	1	1550 Tx / 1310 Rx	SC	2km
SFP-FSC-SMA	100Mbps	Single Mode	1	1310 Tx / 1550 Rx	SC	20km
SFP-FSC-SMB	100Mbps	Single Mode	1	1550 Tx / 1310 Rx	SC	20km

Model Name	Speed	Fiber type	Fiber count	Wavelength, nm	Connector	Distance, km
SFP-GLC-MM	1Gbps	Multi Mode	2	1310	LC	1km
SFP-GLC-MMA	1Gbps	Multi Mode	1	1310 Tx / 1550 Rx	LC	1km
SFP-GLC-MMB	1Gbps	Multi Mode	1	1550 Tx / 1310 Rx	LC	1km
SFP-GLC-SM	1Gbps	Single Mode	2	1310	LC	20km
SFP-GLC-SMA	1Gbps	Single Mode	1	1310 Tx / 1550 Rx	LC	20km
SFP-GLC-SMB	1Gbps	Single Mode	1	1550 Tx / 1310 Rx	LC	20km
SFP-GSC-MMA	1Gbps	Multi Mode	1	1310 Tx / 1550 Rx	SC	1km
SFP-GSC-MMB	1Gbps	Multi Mode	1	1550 Tx / 1310 Rx	SC	1km
SFP-GSC-SMA	1Gbps	Single Mode	1	1310 Tx / 1550 Rx	SC	20km
SFP-GSC-SMB	1Gbps	Single Mode	1	1550 Tx / 1310 Rx	SC	20km
SFP-XLC-MM	10Gbps	Multi Mode	2	850	LC	300m
SFP-XLC-SM	10Gbps	Single Mode	2	1310	LC	10km
SFP-XLC-SMA	10Gbps	Single Mode	1	1270 Tx / 1330 Rx	LC	20km
SFP-XLC-SMB	10Gbps	Single Mode	1	1330 Tx / 1270 Rx	LC	20km
SFP-GRJ-45	10/100/1000	-	-	-	RJ45	100m





Vikings Technology

Power Supplies

Model Name	Input Voltage	Output Voltage	Output Power	Operating Temperature	Mount type	Picture
MDR-10-12	85 ~ 264VAC 120 ~ 370VDC	12VDC	0.84A (10W)	-20C to +70C	Din-Rail	
MDR-40-48	85 ~ 264VAC 120 ~ 370VDC	48-56VDC	0.83A (40W)	-20C to +70C	Din-Rail	
NDR-75-48	90 ~ 264VAC 127 ~ 370VDC	48-55VDC	1.6A (75W)	-20C to +70C	Din-Rail	
NDR-120-48	90 ~ 264VAC 127 ~ 370VDC	48-55VDC	2.5A (120W)	-20C to +70C	Din-Rail	
NDR-240-48	90 ~ 264VAC 127 ~ 370VDC	48-55VDC	5A (240W)	-20C to +70C	Din-Rail	
NDR-480-48	90 ~ 264VAC 127 ~ 370VDC	48-55VDC	10A (480W)	-20C to +70C	Din-Rail	

Accessories

Vikings Technology Co. Ltd.

www.vikingstechnology.com

sales@vikingstechnology.com

Last update 2022 August. Product specifications and availability are subject to change without further notice



KEY FEATURES

- Universal Din-Rail Panel for all our Din-Rail equipment Rack Mount
- Unique depth adjustment to fit devices from 2.5cm to 20cm in depth
- Includes one standard 35mm Din-Rail
- Supports up to 8kg maximum load
- Fits standard 19" Rack and occupies only 2U height

INTRODUCTION

The RM-D1 Din-Rail Panel is designed for convenient mount of all our Din-Rail devices in the 19" Rack. It's made from lightweight strong aluminum and can hold a number of Din-Rail devices with total weight of up to 8kg. Unique depth adjustment allows to nicely fit devices from 2.5cm and up to 20cm in depth. It includes one standard 35mm Din-Rail, fits standard 19" Rack and occupies only 2U height.

SPECIFICATIONS

Model	RM-D1
Compatible equipment	All our Din-Rail devices (Media Converters, Switches, PoE Injectors, Power Supplies, etc)
Max load capacity	8kg
Din-Rail usable length	414mm
Dimensions (H * D * W)	92 * 250 * 482.6mm
Weight	~1kg
Mounting	19" Rack Mountable, 2U height



- Accommodates up to 14 x S6 type converters
- Redundant Power Supplies
- Hot swappable converters and power supplies
- Operating temperature from -10°C to $+60^{\circ}\text{C}$
- Fits standard 19" Rack and occupies only 2U height

INTRODUCTION

The RM-S6 Rack Mount Chassis is designed for convenient mount of S6 type converters. Up to 14 such converters can be installed in this, only 2 units height in 19" rack occupying chassis. Hot swappable converters and power supplies for quick converters mount or power supplies replacements. Dual power supplies provides stable and uninterruptible operation for 24/7 in temperature up to $+60^{\circ}\text{C}$.

SPECIFICATIONS

Model	RM-S6
Models of compatible converters	MCF-S6-xyz, MCG-S6-xyz
Max number of converters	14
Operating Temperature	$-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$
Storage Temperature	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
Relative Humidity	0 ~ 90% non-condensing
Power input	Redundant 100~265VAC
Number of installed power supplies	2 (5V/12A)
Max total power consumption	42W
Dimensions (H * D * W)	90 * 215 * 483mm
Weight (2 * PSU and empty panels)	4.5kg
Mounting	19" Rack Mountable, 2U height
Standards	CE, FCC, RoHS



- Accommodates up to 16 x C1 type converter cards
- Dual Power Supplies
- Hot swappable converters and power supplies
- Operating temperature from -10°C to $+60^{\circ}\text{C}$
- Fits standard 19" Rack and occupies only 2U height

INTRODUCTION

The RM-C1 Rack Mount Chassis is designed for convenient mount of C1 type converter cards. Up to 16 such converters can be installed in this, only 2 units height in 19" rack occupying chassis. Hot swappable converters and power supplies for quick converters mount or power supplies replacements. Dual power supplies provides stable and uninterruptible operation for 24/7 in temperatures up to $+60^{\circ}\text{C}$.

SPECIFICATIONS

Model	RM-C1
Models of compatible converter cards	MCF-C1-xyz, MCG-C1-xyz
Max number of converter cards	16
Operating Temperature	$-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$
Storage Temperature	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
Relative Humidity	0 ~ 90% non-condensing
Power input	Single, 110~240VAC
Number of installed power supplies	2
Max total power consumption	42W
Dimensions (H * D * W)	90 * 340 * 482mm (with mount ears and handles)
Weight	6.5kg
Mounting	19" Rack Mountable, 2U height
Standards	CE, FCC, RoHS

Warranty Policy

- Vikings Technology warrants that the Products are free from defects in materials and workmanship under normal use and use in accordance with the respective Product user manual, during the Warranty Period.
- The Warranty is provided from the date of shipping from Vikings Technology manufacturing facilities for the following periods:
 - * 5 (five) years for Industrial grade Media converters and Switches
 - * 3 (three) years for Commercial grade Media converters and Switches
 - * 1 (one) year for Accessories (SFP modules, Racks, chassis, Power supplies)
- We always strive to offer fast product replacements, however in case product return for repair is required, all export and shipping costs returning product to our facilities are to be covered by customer.
- In case you've a defective item, please contact us at support@vikingstechnology.com indicating purchasing date, faulty product model, serial number and fault description – we'll get back to you within 48 hours.



www.vikingstechnology.com

EMEA Sales

Pylimo st. 60-14A
LT-01307, Vilnius
Lithuania (EU)
+370 695 44516

sales@vikingstechnology.com

APAC Sales

1 Yishun Industrial Street 1
#08-03 A'Posh Bizhub
768160
Singapore
+65 9475 5226

salesapac@vikingstechnology.com

Headquarters & Factory

Unit 1301, Building C, Fuji Jiayuan, Guansheng
4th Road, Guanlan High-tech Industrial
Development Zone, Longhua District
Shenzhen, China
+86 138 2431 7704

office@vikingstechnology.com

Vikings Technology Co., LTD.

All rights reserved. © Last update 2026 February