



ikings Technology

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