



ikings Technology

SMX0520C series

Managed L2+ Fiber Switch

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