



### 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
- Support DI/DO/RS485/Modbus Data
- 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	SMX2440P90-1U
<b>Ports</b>			
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	1 * DI (Digital Input) 1 * DO (Digital Output) 1 * RS485		

Model	SMX2440-1U	SMX2440P-1U	SMX2440P90-1U
<b>Ethernet</b>			
Switching Bandwidth	128Gbps		
Packet Forwarding	190.4Mpps		
Max Packet Length	10K		
Packet Buffer	12M		
MAC Address Table	16K		
PoE	n/a	Ports 1-24: IEEE 802.3af/at, up to 30W per port (370W Total)	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		
<b>L2 Management</b>			
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		

Model	SMX2440-1U	SMX2440P-1U	SMX2440P90-1U
<b>Environmental</b>			
Operating Temperature	-40°C ~ +75°C		
Storage Temperature	-40°C ~ +85°C		
Relative Humidity	5 ~ 90% non-condensing		
MTBF	>200.000h		
<b>Electrical and Physical</b>			
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		
<b>Certifications</b>			
Standards	Surge protection for power: IEC 61000-4-5 6KV/4KV Surge protection for Ethernet ports: IEC 61000-4-5 6KV/2KV Radiation immunity (RS): IEC 61000-4-3 Electrostatic Discharge (ESD): IEC 61000-4-2 CE 2014/30/EU EMC, EN 55032:2015, EN 55035:2017 EN 61000-3-2:2014, EN 61000-3-3:2013 CE 2014/35/EU LVD, EN62368-1:2014+A11:2017 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU and 2015/863/EU		

## 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
SMX2440P90-1U	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