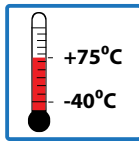


**HARDENED 12-PORT MANAGED LAYER 3 GIGABIT ETHERNET SWITCH WITH
 8x10/100/1000BASE-T(X) RJ45 PORTS + 4x10GBASE-FX SFP PORTS**

MANAGED ETHERNET SWITCH
FEATURES

- 8x10/100/1000Base-TX and 4x10GBase-FX Ports
- M-Ring, (Recovery time ≤ 15ms) for network redundancy
- Advanced routing: Static route, RIP, OSPF, VRRP, IEEE1588
- Ethernet Ring Protection STP/RSTP/MSTP/ITU-TG.8032
- IGMP v1/v2/v3 and MLD v1/v2 Snooping for filtering multicast traffic
- IEEE802.1Q VLAN/MAC based VLAN/Protocol based VLAN/IP subnet based VLAN/GVRP/MVR is supported
- DHCP Server/Client/Relay/Snooping for IP security management
- Port-based IEEE802.1X / Single and multiple IEEE802.1X / MAC- based authentication / VLAN Assignment / IP source guard / RADIUS / TACACS+ / ACL / SSHv2 / HTTPS
- DNS client/proxy is supported
- LACP/Link Aggregation Static for increasing traffic throughput
- Supports Port mirroring, port speed limits, broadcast storm control
- IPv4 and IPv6 is supported
- WEB interface Management, CLI-Console/Telnet can be utilized
- SNMPv1/v2/v3 RMON/System Syslog for traffic monitoring
- Comply with EMC industrial level 4
- Green Industrial series, low power consumption
- Wide working temperature (-40°C ~ +75°C)
- IP40 protection, metal housing

DESCRIPTION

The Meridian MS12GT8PX4L3 is a 12 ports Layer3 Managed Ethernet switch with 8x10/100/1000Base-TX and 4x10GBase-FX Ports. This switch supports Ethernet redundancy protocol, M-Ring (recovery time ≤ 15ms).

The switch can be managed using web browser interface or optional Windows utility - SpectraVISION.

Designed to work in wide temperature range, from -40°C to 75°C, this switch is fully suitable for harsh environments.

MARKETS

- * Highway monitoring/communication systems
- * City intelligent transportation systems
- * Rail transportation monitoring/communication systems
- * Large-scale industrial communication systems
- * Railway electric industry control systems
- * Thermal power industrial control systems
- * State grid industrial communication systems

SPECIFICATIONS

Physical Ports		Power Indicators	Green LED: On - Power is On, Off - Power is Off.
Gigabit TX ports - RJ45	8	System Indicator	Green LED: On - The system is On, Off - The system is Off.
10/100/1000Mbps TX ports		10/100/1000Base-T(X) RJ45 Port Indicators	Yellow LED: On - The port speed is 1000Mbps. Off - The port speed is 10/100Mbps. Green LED: On and Blinking - Port LINK UP, data is transmitted. On - No Blinking - Port LINK UP Off - Port LINK DOWN
Gigabit FX, SFP/SFP+ ports	4	10GBase-FX SFP Port Indicators	Green LED: On-Port LINK UP On and Blinking-Data is transmitted. Off-Port LINK DOWN
Technology		Power	
Ethernet Standards	IEEE802.3i/802.3u/802.3ab/802.3z/802.3x/802.3ad/802.1	Input Voltage	24VDC
Forward method	Store and Forward	Full Load	25W max
Flow Control	IEEE802.3x flow control, back pressure flow control	Overload Current Protection	Yes
Switch Properties		Reverse Polarity Protection	Yes
MAC Table Size	24K	Connection	7-Pin terminal block
Packet Buffer Size	32Mbit	Physical Characteristic	
Packet Forwarding Rate	49.1Mpps max	Enclosure	IP40 rated metal enclosure, fanless
Switching delay	<5µS	Dimension (W x D x H)	55(W)x128(D)x155(H) mm (2.16 x 5.03 x 6.10 inch)
Interfaces		Weight (g)	1000 g (2.2 lb)
SFP Port	10GBase-FX	Mounting	DIN-Rail / Panel
RJ45 Port	10/100/1000Base-T(X) auto negotiation	Environmental	
Console Port	Micro USB connector, RS232 TX/RX	Storage Temperature	-40 to 85°C (-40 to 185°F)
Transmission Distance		Operating Temperature	-40 to 75°C (-40 to 167°F)
Twisted pair	100m(Adopt standard CAT5, CAT5e)	Operating Humidity	5% to 95% Non-condensing
Multimode	850nm 550M(1000M)		
Single-mode	1310nm 10KM/40KM(1000M) 1550nm 60KM/80KM(1000M)		
LED indicators			

Ordering Information		Packing List	
Description	MS12GT8PX4L3 - Hardened 12-port managed Layer 3 Gigabit Ethernet switch with 8x10/100/1000Base-T(X) RJ45 ports + 4x10GBase-FX SFP ports	MS12GT8PX4L3	1
SFP Options	refer to Optical SFP Data Sheet for complete part numbers and ordering information	Wall-Mount Kit	1
SpectraVISION Software	Consult factory for pricing and availability	Manual CD	1
		Din-Rail Kit (attached)	1