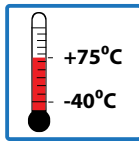


**HARDENED 28-PORT MANAGED LAYER 3 GIGABIT ETHERNET SWITCH WITH  
24x10/100/1000BASE-T(X) RJ45 PORTS + 4x10GBASE-FX SFP PORTS**

**MANAGED ETHERNET SWITCH**

## FEATURES

- 24x10/100/1000Base TX ports and 4x10G SFP ports
- Switch stacking is supported
- Static route protocol is available for advanced routing and redundancy
- M-Ring, (Recovery time≤15ms) for network redundancy
- Smart Timing Protocol IEEE1588 option is available
- STP/RSTP/MSTP/ITU-T G.8032 Ethernet Ring Protection
- 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
- DHCP Server/Client/Relay/Snooping for IP security management
- Supports Port-based IEEE802.1X/Single and multiple IEEE802.1X/MAC-based authentication/VLAN Assignment/ IP source guard/ RADIUS/TACACS+/ACL/SSH v2/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
- Supports 2 \*2.5G FX ports, could be configured as 1G
- Comply with EMC industrial level 4
- Green industrial Ethernet design, fanless, low consumption design
- Wide temperature range (-40°C~+75°C)
- Comply with strict electrical environment request.
- IP40 protection level, metal housing.
- Redundant power inputs (optional)

## DESCRIPTION

The Meridian MS28GT24PX4L3 is a 28 ports Layer 3 Managed Gigabit Ethernet switch with 24x10/100/1000Base TX ports and 4x10G SFP 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 10/100/1000Mbps ports	24	System Indicator	Green LED: On - The system is On, Off - The system is Off.
Gigabit FX, SFP/SFP+ ports	4	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
CONSOL - RJ-45 port	1	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	IEEE 802.3i/802.3u/802.3ab/802.3z/802.3x/802.3ad/ 802.1p/802.1q/802.1d/802.1w/802.1s/802.1ad/802.3az/ 802.1x/802.1ab and etc.	Input Voltage	Default: 220VAC/DC(85~264VAC,120~300VDC) Optional: 24VDC(10~36VDC), 48VDC(18~ 72VDC), 110VDC(72~154VDC) or customerized
Forward method	Store and Forward	Power backup	Optional redundant power inputs
Flow Control	IEEE802.3x flow control, back pressure flow control	Full Load	45W max
Switch Properties		Overload Current Protection	Yes
MAC Table Size	32K	Reverse Polarity Protection	Yes
Packet Buffer Size	32Mbit	Connection	5-Pin terminal block
Packet Forwarding Rate	95.232 Mbps max	Alarm	3-Pin terminal block
Switching delay	<5μS	Physical Characteristic	
Interfaces		Enclosure	IP40 rated metal enclosure, fanless
SFP Port	10GBase-FX	Dimension (W x D x H)	440(W)x335(D)x44(H) mm (17.32 x 13.9 x 1.73 inch)
RJ45 Port	10/100/1000Base-T(X) auto negotiation	Weight (g)	3500 g ( 7.72 lb)
Console Port	Micro USB connector, RS232 TX/RX	Mounting	Rack mount
Alarm Contact	2-pin relay output with current carrying capacity of 0.5A@60V	Environmental	
Transmission Distance		Storage Temperature	-40 to 85°C (-40 to 185°F)
Twisted pair	100m(Adopt standard CAT5, CAT5e)	Operating Temperature	-40 to 75°C (-40 to 167°F)
Multimode	850nm 550M(1000M)	Operating Humidity	5% to 95% Non-condensing
Single-mode	1310nm 10KM/40KM(1000M) 1550nm 60KM/80KM(1000M)		
LED indicators			

Ordering Information		Packing List	
Description	MS28GT24PX4L3 - Hardened 28-port managed Layer 3 Gigabit Ethernet switch with 24x10/100/1000Base-T(X) RJ45 ports + 4x10GBase-FX SFP ports	MS28GT24PX4L3	1
SFP Options	refer to Optical SFP Data Sheet for complete part numbers and ordering information	Mount Kit	1
SpectraVISION Software	Consult factory for pricing and availability	Manual CD	1