MISCOM7212GP-4GF-8GTPOE

12-port full Gigabit layer 2 managed din-rail Industrial Ethernet POE Switch

Product description

MISCOM7212GP-4GF-8GTPOE is a new generation, managed, industrial grade, L2 Gigabit PoE (Power over Ethernet) switch that provides 8x10/100/1000Base-TX RJ45 ports plus 4x100/1000Base-FX SFP ports with 8xPoE ports (optional). It provides stable and reliable Ethernet transmission with high quality design and reliability.he industrial switch complies with various characteristics such as mini size, no fan, low power consumption, high reliability and stability, and easy to maintain.

Features:

-Provide 8 10/100/100BASE-TX Ethernet ports (PoE ports), and provide 4 Gigabit SFP ports

-Rugged metal housing, IP40 protection, fan-less design

-Support 10K bytes jumbo frame, compatible with various extension protocols

- Auto checking and auto reset when PoE PD fails

-Support CLI, WEB, SNMP management

-Support wide operating temperature range -40 to 75°C

-Redundant power supply, support reverse polarity protection

-Support Auto-MDIX, and Full/Half Duplex self-negotiation mode

Product specification

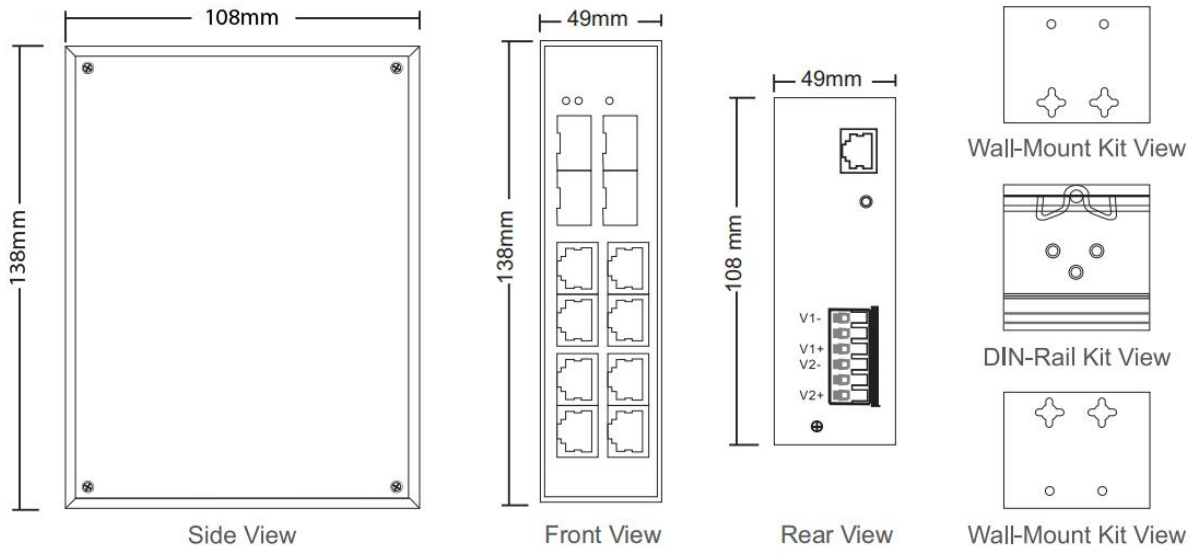
Technical parameters	
Protocol Standard	IEEE 802.3:10Base-T 10Mbit/s Ethernet IEEE 802.3u:100Base-TX, 100Base-FX, Fast Ethernet IEEE 802.3ab:1000Base-T Gbit/s Ethernet over twisted pair IEEE 802.3z:1000Base-X Gbit/s Ethernet over Fiber-Optic IEEE 802.3x:Flow control for Full Duplex IEEE 802.3az:EEE (Energy Efficient Ethernet) IEEE 802.3ah :EFM-OAM IEEE 802.1Q:Virtual LANs (VLAN) IEEE 802.1X:Port based and MAC based Network Access Control, Authentication IEEE 802.3af:PoE (Power over Ethernet) IEEE 802.3at:PoE+ (Power over Ethernet enhancements) IEEE 802.1d:STP (Spanning Tree Protocol) IEEE 802.1w:RSTP (Rapid Spanning Tree Protocol) IEEE 802.1s:MSTP (Multiple Spanning Tree Protocol) ITM-T G.8032 / Y.1344:ERPS (Ethernet Ring Protection Switching) IEEE802.3ac:Max frame size extended to 1522Bytes IEEE 802.3ad :Link aggregation for parallel links with LACP(Link Aggregation Control Protocol) IEEE 802.1ad :Q-in-Q VLAN stacking IEEE 802.1p:LAN Layer 2 QoS/CoS Protocol for Traffic Prioritization IEEE 802.1ab:Link Layer Discovery Protocol (LLDP)
Management Software	
Redundant Network	Support STP/RSTP Support EAPS, ERPS (Recovery time<20ms)
Routing	Support Static Routing (Optional)
Multicast Support	Support IGMP Snooping Support GMRP
VLAN	Support IEEE 802.1Q 4K VLAN Support Q-in-Q
Link Aggregation	Support Manual Aggregation Support Static/Dynamic LACP protocols
QOS	Support COS, DSCP, 8 queues Support WRR, SP, WFQ scheduling mode, policy QOS
PoE Management	Support total power supply control Support PoE On/Off Support Power feeding priority Support PoE timing

Diagnostic Maintenance	Support Port Mirroring Support Syslog, Support Ping command, etc.
Management Mode	Support CLI, WEB, SNMP
Alarm Management	Support 1 way relay alarm output Support RMON management, TRAP alarm
Security	Support DHCP Snooping, Option 82 Support 802.1X security access Support user hierarchical management Support ACL access control list Support port-based MAC filtering / binding, MAC white-list
Port Management	Support port enabled and disabled Support port speed setting Support 802.3x flow control
Static routing	Support
Switch capability	
Packet Buffer	4Mbits
Jumbo Frame	10Kbytes
MAC Address Table	8K
Flow Control	IEEE 802.3x flow control for Full Duplex mode, Back pressure for Half Duplex mode
Data Processing	Store and Forward (Full/Half Duplex mode)
Switch Architecture	Delay time: < 7μs; Back-plane bandwidth: 56Gbps/non-blocking; Packet forwarding rate: 17.856Mpps
Interface	
RJ45 Port	10/100/1000Base-TX, support auto negotiation speed, auto MDI/MDI-X function Transmission Distance: 100m (using standard CAT5/CAT5e cable)
SFP Port	100/1000Base-FX, support 100/1000M dual speed with DDMI Transmission Distance: depends on SFP Module
Console	RS-232 (RJ-45)(Note:It can not be used with ethernet port at the same time)
POE	
PoE Standard	IEEE 802.3af PoE / IEEE 802.3at PoE+
PoE Power Budget	Max. 30W per port, total 240W
RJ-45 Pin Assignment	Positive (V+): RJ-45 pin 1,2 Negative (V-): RJ-45 pin 3,6

PoE Working Voltage	DC 48-52V
PoE Standard	IEEE 802.3af PoE / IEEE 802.3at PoE+
LED indicator lights	
Power	Connect-always
RJ45	Link/Act: connect-always; data exchange-twinkle
SFP	Link/Act: connect-always; data exchange-twinkle
Power	
Power supply	DC48~57V; 50/60Hz
Power consumption	<15W(not include POE)
Reverse protection	Support
Working Environment	
Operating Temperature	-40°C~75°C
Storage temperature	-40°C~85°C
Ambient Humidity	10%~95%
Physical Characteristics	
Material	IP40 aluminum housing
Cooling	Passive cooling, fan-less design
Dimension	138mm x 108mm x 49mm
Installation	DIN Rail mounting, and wall mounting
Industry standard	
EMC	EN61000-4-2 (ESD) EN61000-4-3 (RS) EN61000-4-4 (EFT) EN61000-4-5 (Surge) EN61000-4-6 (CS) EN61000-4-8 (PFMF) EN61000-4-11
Impact	IEC60068–2-27
Falling	IEC60068-2-32
Shock	IEC60068-2-6
Surge Protection	8KV for PoE, RJ-45 and SFP ports
Warranty	

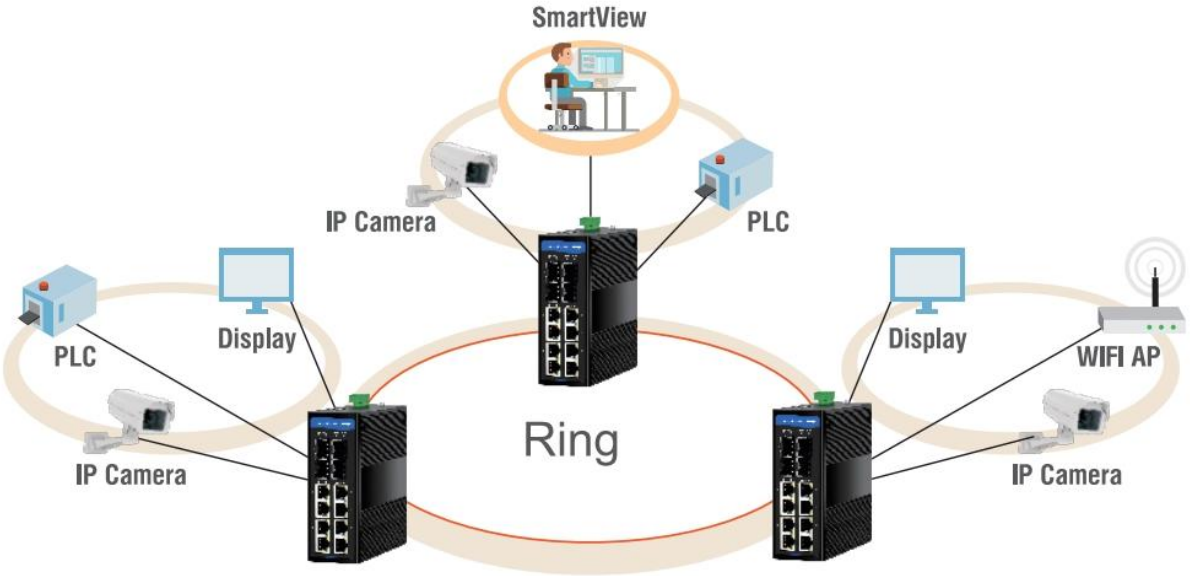
Warranty	5 Years
Certification	
Certification	CE, FCC, RoHS

Dimensional drawing



Din-rail mounting (unit: mm)

Application:



Ordering Information

MISCOM7212GP-4GF-8GTPOE	4 SFP ports+8x10/100/1000Base-TX POE ports,DC9-56V,Industrial managed POE switches