C- IMGMC-12RJ4SFP-POE+

10/100/1000Base-TX(RJ-45) x12 to 4 Open SFP Port POE+ Managed Industrial Media Converter Switch

Features

- 12x10/100/1000Base-TX RJ45 ports, 4x1000Base-FX ports
- Support Auto-MDIX, and full/half duplex self-negotiation mode
- Provide SC/FC/ST/LC interface fiber port, support single/dual fiber transmission
- Support 10K bytes giant frame, compatible with various extension protocol
- 8K MAC address table
- Support IEEE802.3az energy efficient Ethernet technology
- Support IPv6 Protocol
- Electric 4KV surge protection, easy to use in outdoor environment
- Complete status indicator, working state at a glance
- Power input polarity protection design, no worry about wrong operation
- Aluminum case, no fan design
- Installation method: DIN trail /Wall mounting

Product Description

This is a layer 2, network managed industrial Ethernet fiber switch with twelve (12) 10/100/1000Base-T/TX ports and POE+ (15 watts), designed to transmit and receive 10/100/1000Mbps data over four selectable SFP options. Units feature MDI/MDIX Full/Half Duplex Auto-Negotiation, 10/100/1000Base Auto-sensing and compatibility with major Network Protocols. The optical interfaces operate at a 1000Mbps Ethernet rate. Redundant ring, plug-and-play performance, ensures ease of installation; no user electrical or optical adjustments are required. Features included are advanced network management functions as QoS, VLAN, IGMP, snooping/GMRP, Port Trunking, SNMP V1/V2/V3 RTSP/STP and LLDP; low power consumption, LED indicators for monitoring equipment link, operating status activity and auto resettable voltage transient fuses. Additionally, they are designed with DINRail or Wall mount, fan-less, IP40 rated Aluminum enclosures in industrial extended temperature version. With dual (2) redundant inputs 12- 55VDC voltage, an outstanding product in transmission of 10/100/1000Mbps Ethernet signals for industrial Layer 2 Managed Network Installation. This industrial grade product includes a terminal block and does not come with a power plug.

Specifications

Physical Port	
RJ45 port and speed	12x10/100/1000Base-TX
Fiber port and speed	4x1000Base-FX
Parameters	
Ethernet standards	IEEE802.3 IEEE802.3u IEEE802.3z IEEE802.3ab IEEE802.3x IEEE802.3az IEEE802.3Qad IEEE802.3ah IEEE802.1X IEEE802.1Q IEEE1588
Packet buffer	4Mbits
Maximum packet length	Up to 10K
MAC address table	8K
Transmission mode	Store and Forward (full/half duplex mode)
Exchange property	Delay time: < 7μs Backplane bandwidth: 56Gbps Packet forwarding rate: 29.76Mbps
POE+	
POE+ standard	12x IEEE 802.3af /IEEE 802.3at POE+
Power budget	Max. POE+ output power budget 30W
LED Indicator	
Power	Connect-always
RJ45	Link/Act: connect-always; data exchange-twinkle Speed light: 100Mbps-always; 10Mbps-twinkle
Fiber	Link/Act: connect-always; data exchange-twinkle

Power Information

Parameters	
Power access mode	Phoenix terminal, DC seat
Redundant power input	DC 9-56V
Overload protection	Yes
Power reverse	Support
Power consumption	Full-load<15W

Physical Property

Parameters	
Protection grade	IP40 aluminum case
Cooling mode	Natural cooling, no fan design
Dimensions	160mm x 140mm x 75mm (L x W x H)
Installation mode	DIN trail/wall-mountable
Weight	1.05kgs

Recommended Operating Conditions

Alarm Relay	
Operating Temperature	-40℃~85℃
Operating Humidity	5%~90% non-condensing
Storage Temperature	-40℃~85℃
MTBF	500,000 hours

Certification Standard

Standards	
EMI	FCC Part15 Subpart B Class A, EN 55022 Class A
EMS	EN61000-4-2(ESD), EN61000-4-3(RS), EN61000-4-4(EFT), EN61000-4-5(Surge), EN61000-4-6(CS), EN61000-4-8, EN61000-4-11
Collision	IEC60068-2-27
Drop	IEC60068-2-32
Vibration	IEC60068-2-6
Safety grade	EN60950-1

Software Features

Parameter	
Redundant Network	STP/RSTP
Multicast	IGMP Snooping V1/V2
VLAN	IEEE 802.1Q 4K VLAN, QINQ
Link Aggregation	Manual
Management Function	CLI/WEB/SNMP
Diagnostic Maintenance	Port mirroring, Ping
Alarm management	1-way relay alarm output, RMON, SNMP Trap
Security	DHCP Snooping, User hierarchical management
Data control	Port-based ingress/egress speed limit, Full duplex IEEE 802.3x, half duplex back-pressure flow control. Broadcast storm suppression, Unknown-Multicast suppression and Unknown-Unicast suppression

Application