C-IMGMC-2RJ2SFP

10/100/1000Base-TX(RJ-45) x2 to 2 Open SFP Port Managed Industrial Media Converter Switch

Features

- IEEE802.1x Compatible
- Layer 2 Network Managed Switch
- 2x 10/100/1000Base-T/TX Copper Ports
- 2x 1000Mbps SFP Ports
- Redundant Ring with <20ms Link Switchover
- Network Standards: IEEE802.3 10Base-T, IEEE802.3u
  100BaseT/TX and 1000Base-FX, IEEE802.3x Flow Control, IEEE1588PTP, IEEE1000Base-x, 1000Base-x
- Network Protocols: IGMP V1/V2/V3, GMRP, GVRP, SNMP, V1/V2C/V3, DHCP, TFTP, SNTP, SMTP, RMON, HTTP, HTTPS, TELNET, SSH, SYSLOG
- Supports RSTP/ STP 802.1q, IEEE802.1D
- Enhanced mechanisms through QoS, TOS/DiffServ
- Supports VLAN, QVLAN IEEE 802.1q, IEEE802.1AD for Network Management
- Employs 802.3ad, LACP for Bandwidth Optimization
- Supports ACL and Hardware Filtration
- Supports LLDP for Network Topology Discovery, IEEE802.1AB
- LED Indicators for Link, Activity, Data Rate
- Configuring, Debugged via Web, Telnet, SSH, Serial Port
- Port Loopback for Broadcast Storm Protection
- Port Locking for Authorized MAC Address Access
- Relay Alarm Output for Power Failure
- Din-rail, Wall Mount, fan-less Aluminum Enclosure
- Industrial Temperature Version, IP40 Protection
- 12-55VDC Voltage, Dual Inputs
- Compliance with EC, FCC, RoHS
- PoE or PoE+ Selectable

Product Description

This is a layer 2, network managed industrial Ethernet fiber switch with two (2) 10/100/1000Base-T/TX ports, designed to transmit and receive 10/100/1000Mbps data over two 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

Data	
Data Interface	2x10/100/1000Base-TX, RJ-45 ports
Data Rate	10/100/1000Mbps

Switch Properties	
MAC Table	8K
Switching Delay	<96μs
Packet Buffer	4Mbit
Processing Type	Store and Forward
Port Locking Address	For Authorized Only
Priority Queues	4
Maximum # of VLANs	4094
IGMP Groups	256

Connectors	
Optical	SFP-Dependent
Power	Terminal Block
Electrical	2xRJ-45
Management Console	RS-232, RJ-45

Optical Parameters	
Fiber Type	Refer to SFP module specifications
Wavelength Multi-mode	Refer to SFP module specifications
Wavelength Single-mode	Refer to SFP module specifications

Alarm Relay	
Power Failure Relay	1A@24VDC

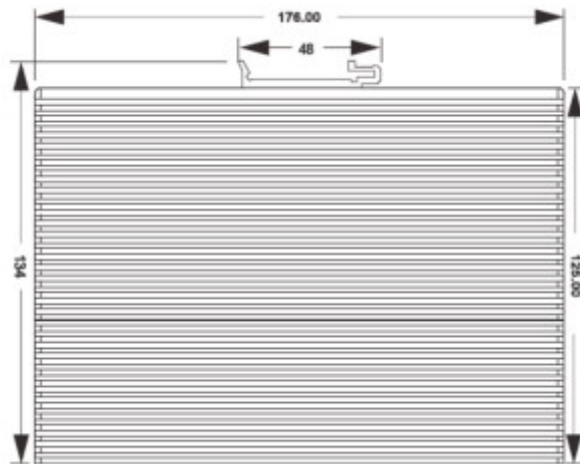| Electrical/Mechanical	
Input Power	12-55VDC with dual input
Power Consumption	200W Max with PoE on all ports; 380W Max with PoE+ on all ports; 20W Max w/o PoE
Overload Circuitry	Support
Rev. Connect/Redundancy	Support
Housing/Protection Class	Aluminum, fan-less/Ip40
Dimensions (W x H x D)	2.2in x 8.1in x 5.3in
Weight	2000g
Installation	DIN-Rail/Wall mount

Environment	
Operating Temperature	-40°C to 85°C
Storage Temperature	-50°C to 100°C
Relative Humidity	5 – 95% (Non-Condensing)
MTBF	411,000 hours

Mechanical Drawing

About ProLabs

Our experience comes as standard; for over 15 years ProLabs has delivered optical connectivity solutions that give our customers freedom and choice through our ability to provide seamless interoperability. At the heart of our company is the ability to provide state-of-the-art optical transport and connectivity solutions that are compatible with over 90 optical switching and transport platforms.

Complete Portfolio of Network Solutions

ProLabs is focused on innovations in optical transport and connectivity. The combination of our knowledge of optics and networking equipment enables ProLabs to be your single source for optical transport and connectivity solutions from 100Mb to 400G while providing innovative solutions that increase network efficiency. We provide the optical connectivity expertise that is compatible with and enhances your switching and transport equipment.

Trusted Partner

Customer service is our number one value. ProLabs has invested in people, labs and manufacturing capacity to ensure that you get immediate answers to your questions and compatible product when needed. With Engineering and Manufacturing offices in the U.K. and U.S. augmented by field offices throughout the U.S., U.K. and Asia, ProLabs is able to be our customers best advocate 24 hours a day.

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