

PTIMC4101

Industrial Din-Rail Media Converter 1x10/100/1000M RJ45, Uplink 1x1000M SFP



Overview

PTIMC4101 is a 1 Gigabit optical & 1 10/100/1000Base-T unmanaged industrial Ethernet fast switch through fan-less heat dissipation circuit design, wide range of working environment temperature, high protection level and other technologies, it provides excellent industrial-grade quality such as high/low temperature resistance and lightning protection, and enhances the reliability and security of industrial networks. It can better meet the deployment requirements of rail transit, safe city, intelligent transportation, outdoor monitoring and other harsh environments.

Features

- Input voltage: DC12-58V
- Operating temperature: -40°C ~ +75°C
- Casing: IP40 protection level, fan-less design
- Anti-static: 8KV-15KV
- MTBF: 100,000hours

Specifications

Provider Mode Ports

Fixed Port 1x10/100/1000M RJ45, Uplink 1x1000M SFP

Power Interface Phoenix Terminal, Dual Power Supply Redundancy

LED Indicators PWR, Link/ACT LED

Cable Type & Transmission Distance

Twisted-pair 0-100m(CAT5e, CAT6)

Single-mode Optical Fiber 20/40/60/80/100KM

Multimode Optical Fiber 550m

Network Topology

Ring Topology	Not Support
Star Topology	Support
Bus Topology	Support
Tree Topology	Support

Electrical Specifications

Input Voltage	DC12-58V
Total Power Consumption	<5w

Layer 2 Switching

Switching Capacity	14G
Packet Forwarding Rate	10.416Mpps
MAC Address Table	8K
Buffer	1M
Forwarding Delay	<5us
MDX/MIDX	Support
Jumbo Frame	Support 10KBytes

Environment

Operating Temperature	-40°C~+75°C
Storage Temperature	-40°C~+85°C
Relative Humidity	10%~90% non-condensing
Thermal Methods	Fan-less Design, Natural Cooling
MTBF	100,000 hours

Mechanical Dimensions

Product Size	31x91x118mm
Installation Method	Din-rail
Weight	0.4KG

EMC & Ingress Protection

IP Level	IP40
Surge Protection of Power	IEC 61000-4-5 Level 3 (4KV/2KV) (8/20us)
Surge Protection of ETH Port	IEC 61000-4-5 Level 3 (4KV/2KV) (10/700us)

ESD	IEC 61000-4-2 Level 4 (8K/15K)
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Certification

Certificates	CE, FCC, RoHS
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Structure

