

PTIS4208

Industrial Ethernet Switch 8x10/100/1000M RJ45 (PoE), Uplink 2x1000M SFP



Overview

PTIS4208 is an industrial ethernet switch with 2x1000M optical ports & 8x10/100/1000M adaptive network ports, and provides excellent industrial-grade qualities such as high/low temperature resistance and lightning protection through fan-less heat dissipation circuit design, wide range of working environment temperature, high protection level and other technologies, enhancing the reliability and security of industrial networks. It can also meet the deployment requirements in rail transit, safe cities, intelligent transportation, outdoor monitoring and other harsh environments.

Features

- Input voltage: DC12-58V(non-PoE), DC48-58V(PoE)
- 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	8x10/100/1000M RJ45, Uplink 2x1000M 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(non-PoE), DC48-58V(PoE)

Total Power Consumption <5w(non-PoE), <245w (PoE)

PoE Support (Optional)

PoE Ports 1-8

PoE Standard 802.3af, 802.3at

Pin Assignment 1, 2, 3, 6

Layer 2 Switching

Switching Capacity 20G

Packet Forwarding Rate 14.88Mpps

MAC Address Table 16K

Buffer 2M

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 46x106x143mm

Installation Method Din-rail

Weight 0.55KG

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)

Certification

Certificates	CE, FCC, RoHS
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Structure

