

INDUSTRIAL SWITCH PRODUCTS

L2+ High Managed Industrial PoE fiber switch 16x10/100/1000M RJ45 ports 2x100/1000M SFP slot ports



PRODUCT DESCRIPTION

This device is a managed industrial Ethernet fast switch with 2 1000 Base-X & 16 10/100/1000 Base-T Ethernet ports. Through fanless cooling circuit design, wide range of working environment temperature, high protection level and other technologies, it provides It has excellent industrial-grade qualities such as high/low temperature resistance and lightning protection; it also integrates various rich protocols such as switching and security, and Supports public Ethernet multi-ring protection technology (ERPS), which greatly improves the flexibility of networking and enhances industrial Network reliability and security. It can better meet the deployment requirements in rail transit, safe cities, intelligent transportation, outdoor monitoring and other harsh environments.

FEATURE

- Fixed port: 2*1000 Base-X, 16*10/100/1000 Base-T
- PoE Support: Yes
- Input Voltage: DC 48-58V
- ESD: IEC 61000-4-2 Level 4 (8K/15K)
- Thermal methods: Fanless design, natural cooling
- MTBF: 100,000 hours
- Certificates: CCC/CE/FCC/RoHS



TECHNICAL SPECIFICATION

Provider Mode Ports

- Business interface (Fixed port): 2*1000 Base-X, 16*10/100/1000 Base-T
- Management Port: Support console
- Power interface: Phoenix terminal, dual power supply redundancy
- LED lights (LED Indicators): PWR, Link/ACT LED

Cable type&Transmission distance

- Twisted-pair: 0-100m (CAT5e,CAT6)
- Monomode optical fiber: 20/40/60/80/100 Km
- Multimode optical fiber: 550 m

Network Topology

- Ring topology: Support
- Star topology: Support
- Bus topology: Support
- Tree Topology: Support
- Hybrid topology: Support

Electrical Specifications

- Input voltage: DC 48-58V
- Total Power consumption: <386W

PoE Support

- PoE port: 1-16
- PoE Protocol: 802.3af, 802.3at
- PoE pin assignment : 1,2,3,6
- PoE management: Support

Layer 2 Switching	<ul style="list-style-type: none"> - Switching capacity: 68G - Packet forwarding rate: 50.59 Mpps - MAC address table: 16K - VLAN Support: Support 4K - Buffer: 12M - Forwarding delay: <10 μs - MDX/MIDX: Support - Flow control: Support - Jumbo Frame: Support 10 Kbytes - Spanning Tree Protocol: Support STP/RSTP/MSTP - Ring Protocol: Support ERPS - Link Aggregation: Support 12 groups - Multicast: Support IGMP Snooping - Port Mirroring: Support - Storm Control: Support 	<ul style="list-style-type: none"> - Interface Counters: Support - QINQ: Support - 802.1X: Support - Radius/Mac certification: Support - Port Isolation: Support - Rmon: Support - NTP client: Support - DHCP client: Support - DHCP snooping: Support - Ping/tracert detection: Support - Dying gasp: Support - Optical module DDM: Support - Layer 3 Router: - Static routing: Support 512 static route
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Convergence	<ul style="list-style-type: none"> - Access Control List (ACL): Support ACL 500; Support IP standard ACL; Support MAC extended ACL; Support IP extended ACL - Quality of Service (QoS): Support QoS re-marking and priority mapping; Support SP, WRR queue scheduling; Supports entrance speed limit and exit speed limit; Support flow-based QoS
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Management	<ul style="list-style-type: none"> - Command line (CLI): Support - Management serial port (Console): Support - Telnet /SSH: Support - WEB management: Support - Management IP: Support IPV4/IPV6 - SNMP: Support SNMPv1/v2c/v3 - User Management: Support - System Log - File upgrade: Support - Firmware upgrade: Support
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Environmental conditions (Environment)	<ul style="list-style-type: none"> - Operating temperature: -40oC ~ +75oC The device is tested for 8 hours at temperatures in 85°C - Storage temperature: -40oC ~ +85oC - Relative humidity: 5%~95% non-condensing - Thermal methods: Fanless design, natural cooling - MTBF: 100,000 hours
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- Mechanical Dimensions**
- Installation Method: Rail installation, wall-mounted installation
 - Weight: 1.3 Kg
 - IP Level: IP50
 - Surge protection of Power: IEC 61000-4-5 Level X (10KV/10KV) (8/20us)
 - Surge protection of Ethernet port: IEC 61000-4-5 Level X (6KV/4KV) (10/700us)
 - RS: IEC 61000-4-3 Level 3 (10V/m)
 - EFI: IEC 61000-4-4 Level 3 (1V/2V)
 - CS: IEC 61000-4-6 Level 3 (10V/m)
 - PFMF: IEC 61000-4-8 Level4 (30A/m)
 - DIP: IEC 61000-4-11 Level3 (10V)
 - ESD: IEC 61000-4-2 Level 4 (8K/15K)
 - Free fall: 0.5m

- Authentication**
- Certificates: CCC/CE/FCC/RoHS
 - Accessories: Equipment, terminals, certificate, instructions, Adapter (optional)

ORDER INFORMATION

PRODUCT	PART NUMBER
L2+ High Managed Industrial PoE fiber switch 16x10/100/1000M RJ45 ports 2x100/1000M SFP slot ports, Dual Power Redundancy, IP50	IPS-MH16GTDR-2SFP