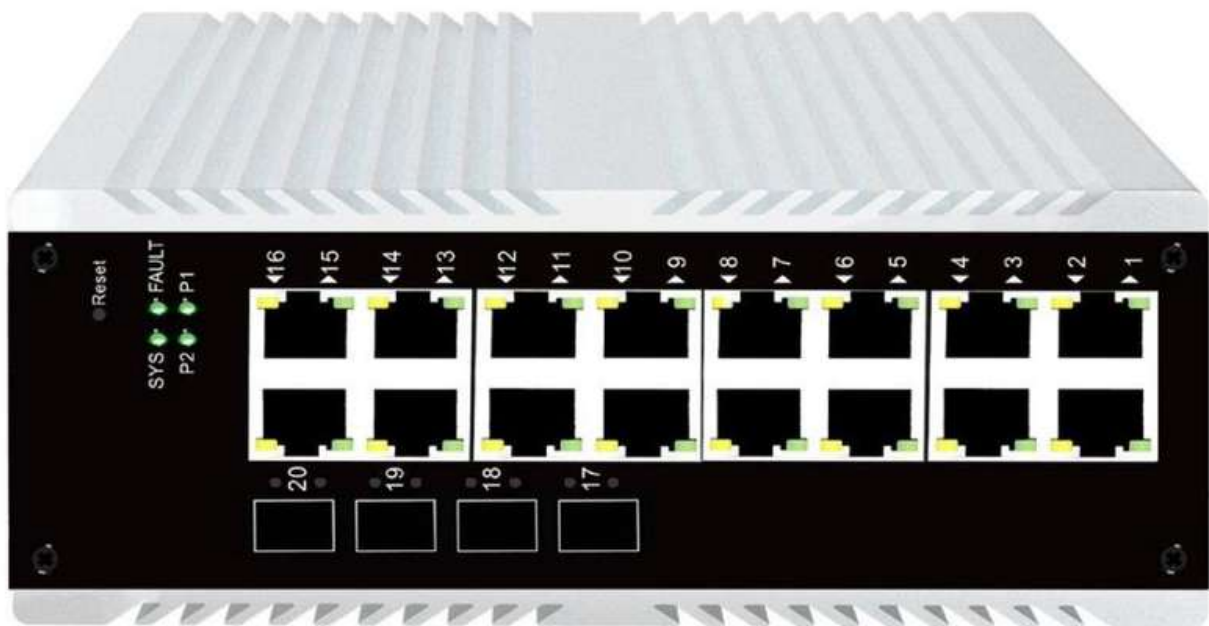




Industrial Managed Ethernet Fiber Switch

Model : MT-IEMS- 20P-4SFP



Product Description

The MT-IEMS- 20P-4SFP is a full Gigabit L2+ managed industrial Ethernet fiber switch independently developed by MOOTEK. It has 16*10/100/1000Base-T RJ45 ports and 4*100/1000Base-X SFP fiber ports. Each port can support wire-speed forwarding. The switch integrates the bypass optical switching module. When the power supply of the switch is interrupted, the optical fiber is automatically switched to the bypass-through state to avoid communication interruption due to switch failure and ensure the reliability of network transmission.

Features

Network management and fast ring function

- STP/RSTP/MSTP/ERPS.
- Static and dynamic aggregation.
- IEEE802.1Q VLAN, flexible VLAN division, Access, Trunk and Hybrid.
- QoS, Priority mode based on 802.1P, Port & DSCP, queue scheduling algorithm including EQU, SP, WRR & SP+WRR.
- IGMP Snooping V1/V2/V3 meets multi-terminal high-definition video surveillance and video conference access requirements.
- ALC, filter data packet through configuring matching rules, processing operation & time permission, and provide flexible and safe access control.

Security

- 802.1X authentication.
- Port isolation, storm control.
- IP-MAC-VLAN-Port binding.

Stable and reliable

- CCC, CE, FCC, RoHS.
- Low power consumption, No fan, aluminum shell.
- The user-friendly panel can show the device status through the LED indicator of PWR, SYS, Link, L/A.

One-stop remote control and management

- HTTPS, SSLV3, and SSHV1/V2.
- RMON, system log, LLDP, and port traffic statistics.
- CPU monitoring, memory monitoring, Ping test, and cable diagnose.
- Web management, CLI command line (Console, Telnet), SNMP (V1/V2/V3)

Technical Specifications

Model No.	MT-IEMS- 20P-4SFP
Fixed Port	16*10/100/1000Base-TRJ45 ports 4* 100/ 1000Base-X uplink SFP slot ports 1*RS232 console port
Ethernet Port	Port 1-16 support 10/ 100/ 1000Base-T auto-sensing, full/half duplex MDI/MDI-X self-adaption
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤ 100 meters) 100BASE-TX: Cat5 or later UTP(≤ 100 meters) 1000BASE-T: Cat5e or later UTP(≤ 100 meters)
SFP Slot Port	Gigabit SFP optical fiber interface, default no include optical modules (Only supports single-mode single fiber optical module. LC)
Wavelength/Distance	multimode: 850nm 0~550M, 1310nm 0~2KM single mode: 1310nm 0~40KM , 1550nm 0~120KM
Network Management Type	L2+

Ring network	Supports ERPS ring network function, with a maximum number of rings of 5 and a convergence time of <20ms
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-X, IEEE802.3z 1000Base-X, IEEE802.3x
ForwardingMode	Store and Forward(Full Wire Speed)
Switching Capacity	40Gbps
Buffer Memory	29.76Mpps
MAC	8K
Working Voltage	DC12-57V, 4 Pin industrial phoenix terminal, support anti-reverse protection
Power Supply	24V/1A industrial power supply
Power Consumption	Standby<8W, Full load<18W
Lightning Protection	Lightning protection: 6KV 8/20us, Protection level: IP40 IEC61000-4-2(ESD): ±8kV contact discharge, ±15kV air discharge IEC61000-4-3(RS): 10V/m(80~ 1000MHz) IEC61000-4-4(EFT): power cable: ±4kV;