

24 Port Gigabit Ethernet + 6 Fiber Managed PoE Switch



IP24HM 24 Port Gigabit Ethernet + 6 Fiber Managed PoE Switch

IP24HM is new generation of manageable Enterprise Ethernet PoE switch. It supports 6 SFP ports and 24 Ethernet ports. IP24HM supports the proprietary M-Ring ring protection protocol, recovering time can be less than 20ms, VLAN, QINQ, STP/RSTP, support QOS, ACL multicast, rich two layer exchange function, while providing CLI, Telnet, SSH, Http, Https and other management such as network management software based on SNMPv1/v2c/v3. IP24HM has wide range of applications, including campus, rail transport, electricity, petroleum, petrochemical, banking, water, metallurgy, public security, military, and civil aviation.

Features

- Support 6 100/1000M with Ethernet SFP ports, 24 10/100/1000M ports adaptive
- Support the IEEE802.3af/at standard PoE power supply, power up to 30W maximum power supply port
- Support cable fault detection, a key to restart and restore the factory function
- Support Ethernet ring network protocol ERPS, support for private M-RING ring protection protocol, the protection of switching time can be less than 20ms
- Based on port aggregation, linear protection based on G.8031 protocol and the protection of the ring network based on G.8032 protocol
- Support spanning tree (STP) and fast spanning tree (RSTP) protocol and multi spanning tree (MSTP) protocol
- Port support hybrid redundancy network
- Support VLAN 802.1Q, basic QinQ and flexible QinQ, support up to VLAN 4K table entry
- Support for rich OAM, including 802.3ah standards in line with the EFM and 802.1ag, Y.1731 standard CFM
- Support port based, 802.1P, DSCP, MAC address, ID VLAN, Type QOS and other Ethernet services
- Supports 256 ACL access control rules
- Support for speed limits based on port, VLAN, and port +VLAN
- Support RMON, effectively improve the network monitoring and forecasting ability
- Supports RADIUS, TACACS+, IEEE802.1X, HTTPS and SSH and other network security functions
- Support the broken fiber alarm; support Dying Gasp remote equipment fail alarm
- Support relay output alarm function
- Support port loop detection
- Support device online upgrade, support device configuration upload and download

Package Contents

Quick Installation Guide

Specifications

IEEE Standards	<ul style="list-style-type: none"> ● IEEE 802.3 10Base-T 10Mbit/s Ethernet ● IEEE 802.3u 100Base-TX, 100Base-FX, Fast Ethernet ● IEEE 802.3z 1000Base-X Gigabit/s Ethernet over Fiber-Optic ● IEEE 802.1d STP (Spanning Tree Protocol) ● IEEE 802.1w RSTP (Rapid Spanning Tree Protocol) ● IEEE 802.1s MSTP (Multiple Spanning Tree Protocol) ● ITU-T G.8032 /Y.1344 ERPS (Ethernet Ring Protection Switching) ● IEEE 802.1Q Virtual LANs (VLAN) ● IEEE 802.1X Port based and MAC based Network Access Control, Authentication ● IEEE 802.3ad Link aggregation for parallel links with LACP(Link Aggregation Control Protocol) ● IEEE 802.3x Flow control for Full Duplex ● IEEE 802.1ad Stacked VLANs, Q-in-Q ● IEEE 802.1p LAN Layer 2 QoS/CoS Protocol for Traffic Prioritization ● IEEE 802.1ab Link Layer Discovery Protocol (LLDP)
Protocols	<ul style="list-style-type: none"> ● IGMPv1/v2/v3, GMRP, GVRP, SNMPv1/v2c/v3, DHCP Server/Client, BootP, TFTP, SNTP, SMTP, RARP, RMON, HTTP, HTTPS, Telnet, Syslog, DHCP Option 66/67/82, SSH, SNMP Inform, EtherNet/IP, PROFINET, LLDP, IEEE 1588 PTPv2, IPv6, NTP Server/Client
Priority Queues	<ul style="list-style-type: none"> ● 8
VLAN ID Range	<ul style="list-style-type: none"> ● VID 1 to 4094
IGMP Groups	<ul style="list-style-type: none"> ● 2048
MAC Table Size	<ul style="list-style-type: none"> ● 8 K
Packet Buffer Size	<ul style="list-style-type: none"> ● 4 Mbit
Switching capacity	<ul style="list-style-type: none"> ● 53G
Connectors	<ul style="list-style-type: none"> ● 10/100/1000TX: 24 x ports RJ-45 ● 100/1000M Base SFP port: 6 x SFP socket ● Console Port: RS-232 (RJ-45)
Alarm Contact	<ul style="list-style-type: none"> ● Normal Close, Normal Open
Button	<ul style="list-style-type: none"> ● Reset button
Power	<ul style="list-style-type: none"> ● 100V~240V AC (Standard 250W), option 400W or Customized)
Temperature	<ul style="list-style-type: none"> ● 0 to 45°C
Humidity	<ul style="list-style-type: none"> ● 5 to 95% non-condensing
Management	<ul style="list-style-type: none"> ● Support CLI, Telnet, SSH, HTTP, HTTPS ● Support SNMP V1/V2C/V3 ● Support HVIEW Management System
Regulation Compliance	<ul style="list-style-type: none"> ● CE, FCC