IPM-MANAGER-4800J

48x10/100/1000 Base-T + 6x10G Base-X Managed PoE Ethernet Switch



Description

The IPM-MANAGER-4800J is a 48-Port Ethernet L3 PoE Switch is equipped with 48x 10/100/1000Mbps adaptive RJ45 ports, 6x10Gigabit SFP+ uplink ports. Each RJ45 port supports MDI/MDIX and wire speed forwarding functions. Ports 1-16 support IEEE802.3AF/AT standard PoE power supply. It can as Power over Ethernet (PoE) devices, automatically detecting and recognizing standard-compliant powered devices, and powering themthrough the Ethernet cable.

The switch adopts store and forward switching, combined with QoS technology, to ensure effective bandwidth allocation to each port, providing stable and reliable power and data transmission for high-power AP, network cameras, PTZ cameras, PoE lighting and other security surveillance equipment.

Features

- AC 100-240V 50/60Hz Input Voltage
- -10°C to +50°C Operating Temperature
- Fan Cooling Thermal System
- RoHS, FCC, & CE Certified
- 8kV–15kV ESD Protection
- 100,000 Hours MTBF

Specifications

Provider Mode Ports	
Fixed port	6x10GBase-X + 48×10/100/1000 Base-T
Management Port	Support console
Power interface	AC100-240V triangle interface
LED Indicators	PWR, SYS, Link/ACT LED
Cable Type & Transmission Distance	
Twisted-pair	0-100m (CAT5e,CAT6)
Monomode optical fiber	20/40/60/80/100KM
Multimode optical fibre	550m
Network Topology	
Ring topology	Support
Star topology	Support
Bus topology	Support
Tree topology	Support
Hybrid topology	Support
Electrical Specifications	
Input voltage	AC 100-240V 50/60Hz
Total Power consumption	≤400W
Main board power	≤51W

Specifications

PoE Support	
PoE Port	1-48
PoE Protocol	802.3af, 802.3at
Pin Assignment	1,2+; 3,6-
PoE Management	Support

Specifications

Layer 2 Switching	
Switching capacity	216Gbps
Packet forwarding rate	160.7Mpps
MAC address table	32K
Buffer	16M
Forwarding delay	<10us
MDI/MDIX	Support
VLAN	3000
GVRP	Support
Protocol VLAN	Support
Voice VLAN	Support
Surveillance VLAN	Support
MAC VLAN	Support
Ethernet channel/ 802 .3ad	Support
LACP	Support
Interface Speed	Support
Duplex Mode	Support

Specifications

Flow Control	Support
Jumbo Frame	Support
DHCP Server	Support
DHCP Client	Support
DNS Server	Support
DNS Client	Support
SNTP Client	Support
Port Statistics	Support
Protected Ports	Support
EEE	Support
Ethernet Ring Protection Switching	Support
LLDP	Support
LLDP 802.1 TLV	Support
MSTP / RSTP / STP	Support
STP BPDU Filter	Support
STP BPDU guard	Support
STP Port Fast	Support
IGMP Snooping	Support
MLD Snooping	Support

Specifications

MVR	Support
DHCP interface priority IP binding	Support
Device Scanning	Support

Layer 3 Route	
IPv4 management	Support
IPv6 management	Support
Dynamic Routes IPv4	OSPF, RIP
Static Routes IPv6	Support
VRRP	Virtual Router Redundancy Protocol
ARP	Support
Loopback Interface	Support
Convergence	
ACL	Support MAC Standard/Extended ACL Support IPV4 Standard/Extended ACL Support IPV6 Standard/Extended ACL
QoS	Support QoS Remarking Support Port Trust Support Port Speed Limit Support Egress Queue Speed Limit Support SP, WRR Support COS, DSCP, IP Priority

Specifications

Management	
User Management	Support
System Log	Support
Upgrade Firmware	Support
Configuration File Download/Upload	Support
SNMP	Support SNMP v1/v2/v3
WEB Management	Support
Console	Support
CLI	Support
Telnet/SSH	Support
RMON	Support

Specifications

Security	
Management channel configuration	Support
AAA	Support
802.1X	Support
MAC-Based	Support
WEB-Based	Support
DoS attack prevention	Support
Dynamic ARP Inspection	Support
DHCP Snooping	Support
IP Source Guard	Support
Port Security	Support
Protected Ports	Support
Storm Control	Support

Specifications

Equipment Diagnosis	
Console Log	Support
RAM Log	Support
Flash Log	Support
Port Mirroring	Support 1:1 or 1:M
Ping	Support
Traceroute	Support
Copper port test	Support
SFP transceiver information	Support
UDLD protocol	Support

Environment	
Temperature	Operate temperature: -10°C~+50°C Storage temperature: -40°C~+75°C
Relative humidity	Operate humidity: 10%~90% RH Storage humidity: 5%~90% RH
Thermal methods	Fan cooling
MTBF	100,000 hours
Mechanical Dimensions	
Product size	440*270*44mm (LxWxH)
Installation Method	Rack mounted
Weight	4kg

Specifications

EMC & Ingress Protection	
Surge protection for Power	Common mode 6KV, differential mode 2KV
Surge protection for Ethernet port	Common mode 4KV, differential mode 2KV
ESD	Contact 8KV, Air 15KV
Free fall	0.5 m
Accessories	
Accessories	Device, Power cord, User manual, Inspection