IPM-MANAGER-2400H

24x10/100/1000Base-T+4x1000 Combo Managed PoE Switch



Description

The 28GCPM-B2C4-ACR Managed L3 PoE Ethernet Switch is equipped with 24x 10/100/1000Mbps adaptive RJ45 ports and 4xGigabit combo ports. Ports 1-24 support PoE/PoE+, ports 25-28 are uplink ports. Each RJ45 port supports MDI/MDIX and wire speed forwarding functions. It 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.

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	4*1000 Combo + 24*10/100/1000 Base – T
Management Port	Support console
Power interface	AC 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	≤22W

Specifications

PoE Support	
PoE port	1/24/2026
PoE Protocol	802.3af, 802.3at
Pin Assignment	1,2+;3,6-
PoE Management	Support

Specifications

Layer 2 Switching	
Switching capacity	56Gbps
Packet forwarding rate	41.616Mpps
MAC address table	8K
Buffer	4.1M
Forwarding delay	<10us
MDI/MDIX	Support
VLAN	256
GVRP VLAN	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
Flow Control	Support
Jumbo Frame	Support
DHCP Client	Support

Specifications

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
MVR	Support
DHCP Interface Priority IP Binding	Support
Device Scanning	Support

Specifications

Layer 3 Route	
IPV4 management	Support
IPV6 management	Support
Static Routes IPV4	32
Static Routes IPv6	32
ARP	Support
Loopback Interface	Support
DHCP Server	Support
DNS Server	Support
DNS Client	Support

Specifications

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
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
RMA Log	Support
Flash Log	Support
Port Mirroring	Support 1:1 or M:1
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

Specifications

Mechanical Dimensions	
Product size	440*284*44mm (LxWxH)
Installation Method	Rack mounted
Weight	3.4kg
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 8K, Air 15K
Free fall	0.5m
Accessories	
Accessories	Device, Power cord, User manual, Inspection Certificate, Dust plug