

24 Ports Full Gigabit Managed PoE Switch

16*1000M PoE Port+4*GE Combo port

JHA-MPGS416NCJ



Introduction

The JHA-MPGS416NCJ is a full gigabit L2+ managed Ethernet fiber switch. The JHA-MPGS416NCJ has the L2+ full network management, support IPV4/IPV6 management, static route full line rate forwarding, security protection mechanism, complete ACL/QoS policy and rich VLAN functions, and is easy to manage and maintain. Supports multiple network redundancy protocols STP/RSTP/MSTP (<50ms) and (ITU-TG.8032)ERPS to improve link backup and network reliability. When one-way network fails, communication can be quickly restored to ensure important Uninterrupted communication for applications. According to the actual application requirements, you can configure multiple application services such as PoE power management, port traffic control, VLAN division, and SNMP through the Web network management mode.

Specification

Fixed Port	16*10/100/1000Base-TX PoE port (data/power) 4*1000M RJ45 (Combo port) 4*1000M SFP Slot(Combo port)
PoE Port	1-16 port supports PoE
Console Port	1*console port
POE Port	1-16
Reset	1
Network Protocol	IEEE 802.3 IEEE 802.3u 100BASE-TX IEEE 802.3ab1000BASE-T IEEE 802.3x IEEE 802.3z 1000BASE-X IEEE 802.3af/at IEEE 802.3ad IEEE 802.3q 、 IEEE 802.3q/p IEEE 802.1w、 IEEE 802.1d 、 IEEE 802.1S STP(Spanning Tree Protocol) RSTP/MSTP(Rapid Spanning Tree Protocol) EPPS ring network protocol EAPS ring network protocol
Port Specification	10/100/1000BaseT (X) Auto
Transmission Mode	Store and Forward(full wirespeed)
PoE Pin	Af/at/bt:12+ 45+;36- 78- Af/at:12+ 36-
Bandwidth	56
Packet Forwarding	29.76Mpps
MAC Address	8K
Buffer	4.1M
Jumbo Frame	10000bytes
Vlan address	4K
Transmission Distance	10BASE-T : Cat3,4,5 UTP(≤250 meter) 100BASE-TX : Cat5 or later UTP(≤100 meter) 1000BASE-TX : Cat6 or later UTP(≤1000 meter) 1000BASE-SX:62.5μm/50μm MMF(2m~550m) 1000BASE-LX:62.5μm/50μm MM(2m~550m) or 10μm SMF(2m~5000m)
FLASH	128M
RAM	128M
Watt	≤450W

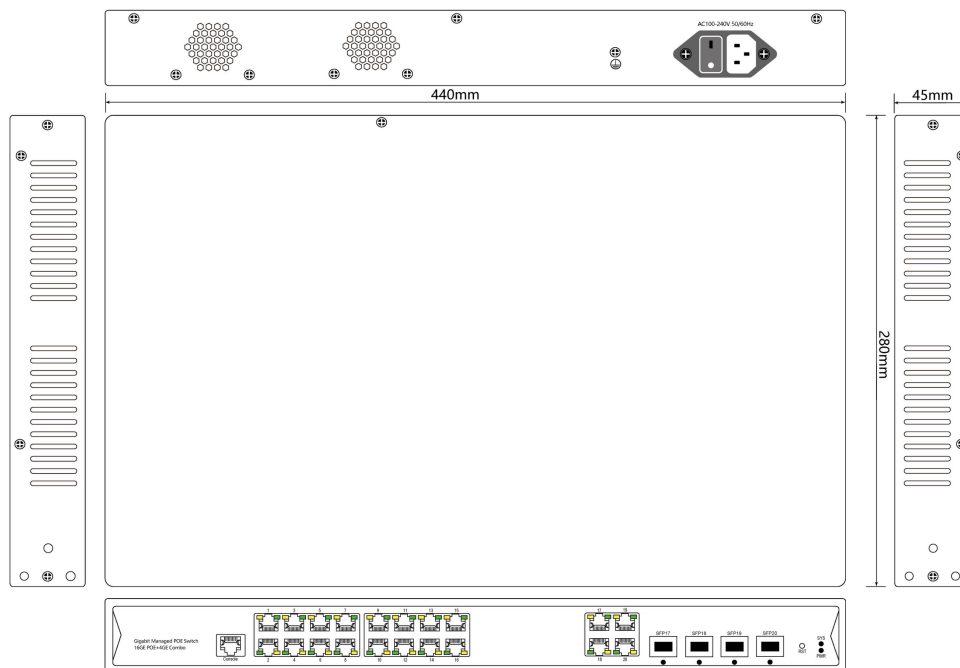
LED Indicator	PWR:Power LED SYS:(System LED) Port:(Orange=PoE LED+Green=Link LED)
Power	Built-in power AC 100~240V 50/60HZ
Operating Temperature/Humidity	-20~+55°C; 5%~90% RH Non coagulation
Storage Temperature/Humidity	-40~+75°C; 5%~95% RH Non coagulation
Product size/Packing size (L*W*H)	440mm*280mm*45mm 540mm*135mm*400mm
N.W/G.W (kg)	3.9kg/4.8kg
Installation	1U Rack Mount Chassis
Lightning protection level	6KV 8/20us; IP30

Management switch WEB software function

Protocol Standard	IEEE 802.3x IEEE 802.3、IEEE 802.3u、IEEE 802.3ab、IEEE 802.3z IEEE 802.3ad IEEE 802.3q、IEEE 802.3q/p IEEE 802.1w、IEEE 802.1d、IEEE 802.1s、IEEE 802.1X
MAC Address	Support 16K MAC addresses;MAC address learning and aging
VLAN	Port-based VLANs Up to 4096 VLAN support Voice VLAN,can configure QoS for voice data 802.1Q VLAN
Spanning Tree	STP(Spanning tree protocol) RSTP(Rapid spanning tree protocol) MSTP(Rapid spanning tree protocol) EPPS(Ring network protocol) EAPS(Ring network protocol) 802.1x argumentation agreement
Link Aggregation	Max 8 aggregation groups TRUNK,each supports 8 ports
Port Mirror	Many-to-one port mirroring
Loop Guard	Loop protection function, real-time detection, rapid alarm, accurate positioning,intelligent blocking,automatic recovery
Port Isolation	Support downlink ports isolated from each other and communicate with uplink port
Port Flow Control	Half duplex based back pressure control Full duplex based on PAUSE frame
Line Rate	Support downlink ports isolated from each other and communicate with upstream port
IGMP Snooping	IGMPv1/2/3 and MLDv1/2 GMRP Protocol Registration Multicast address management, multicast VLAN,multicast routing ports,static

	multicast addresses
DHCP	DHCP Snooping
Storm Suppression	Unknown unicast, multicast, unknown multicast, storm suppression of broadcast type Storm suppression based on bandwidth tuning and storm filtering
Security	User port+ IP Address+ MAC Address ACL based on IP and MAC Security properties of port based MAC address quantities
QOS	802.1p port queue priority algorithm Cos/Tos, QOS sign WRR (Weighted Round Robin), Weighted priority rotation algorithm WRR、SP、WFQ, 3 priority scheduling models
Cable Sequence Negotiation Mode	Auto-MDIX; auto identification of straight-through cables and crossover cables Port supports automatic negotiation (self-negotiation transmission rate and duplex mode)
System Maintenance	Upgrade package upload System log view WEB restore factory configuration
Network Management	WEB NMS CLI management based on Telnet, TFTP, Console SNMP V1/V2/V3; RMON V1/V2 RMON Management

Dimension



Ordering Information

Model	Description
JHA-MPGS416NCJ	Managed PoE switch, 16*10/100M PoE ports+4*10/100/1000M combo port, max power 400W.