

Full Gigabit Managed PoE Switch with combo Uplink

ALS-CxGxxMP

OVERVIEW

The ALS-CXGXXMP is a full gigabit L2+ managed Ethernet fiber switch. The JHA-MPGS424NCJ 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.



PRODUCT FEATURES

Advanced Networking Features

- Layer 2+ Management: Supports IPv4/IPv6, static routing, advanced ACL/QoS, VLAN
- Network Protocol Support: STP/RSTP/MSTP, ERPS to enhance network reliability
- Security Functions:
 - Access control based on IP/MAC/VLAN
 - Supports 802.1X user authentication

Management & Monitoring

- Management Interfaces:
 - Web UI, CLI (Telnet, Console)
 - Supports SNMP v1/v2/v3, RMON
- Monitoring Functions:
 - Port mirroring, IGMP Snooping
 - Loop Guard, DHCP Snooping
 - Broadcast, Multicast, and Unicast storm control

Model	User ports 1G RJ-45	1G Combo port	Power Supply/POE budget
ALS-C4G16MPH	16	4	Internal 300W
ALS-C4G24MPH	24	4	Internal 300W

Gigabit product	ALS-C4G16MPH	ALS-C4G24MPH
Gigabit RJ45 Port POE	16	24
Combo RJ45/SFP	4	4
Console Port	1	1
Reset Port	1	1
Bandwidth (Gbps)	56	56
Packet Forwarding (Mpps)	29.76	41.68
Dimensions (W × D × H) mm	440 × 280 × 45	440 × 280 × 45

SPECIFICATIONS

Standard

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3ab
- IEEE 802.3x
- IEEE 802.3z
- IEEE 802.3af/at
- IEEE 802.3ad
- IEEE 802.3q
- IEEE 802.3q/p
- IEEE 802.1w
- IEEE 802.1d
- IEEE 802.1s

Vlan

- Port-based VLANs
- Up to 4096 VLAN
- Support Voice VLAN, can configure QoS for voice data
- 802.1Q VLAN

L2 Feature

- Support 16K MAC addresses; MAC address learning and aging
- Link Aggregation: Max 8 aggregation groups TRUNK, each supports 8 ports
- Spanning Tree Protocol: 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"
- Flow Control
- Port Mirror: Many-to-one port mirroring
- DHCP Snooping

Multicast

- IGMPv1/2/3 and MLDv1/2
- GMRP Protocol Registration
- Multicast address management, multicast VLAN, multicast routing ports, static multicast addresses

ACL

- MAC ACL
- Source MAC
- Destination MAC
- Standard IP ACL
- Source IP
- Destination IP

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

Management

- WEB NMS
- CLI management based on Telnet, TFTP, Console
- SNMP V1/V2/V3;
- RMON V1/V2
- RMON Management

Power

- Built-in power AC 100~240V 50/60Hz

Environment

- Operating Temperature: 0°C~55°C
- Storage Temperature: -40°C~75°C
- Operating Humidity: 10% ~ 90% RH, non-condensing
- Storage Humidity: 5%~95%RH, non-condensing
- Lightning protection level: 6KV 8/20us, IP30

Certification

- CE, FCC, RoHS

All references to speed are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein

ORDER INFORMATION

Model NO.	Description
ALS-C4G16MPH	Managed PoE switch, 16*10/100/1000M PoE ports+4*10/100/1000M combo port. (1-4 port support BT)
ALS-C4G24MPH	Managed PoE switch, 24*10/100/1000M PoE ports+4*10/100/1000M combo port. (1-4 port support BT)