

LA-SWM2-G0448P

Managed Gigabit 48Port PoE Switch, 48 x 10/100/1000Mbps RJ45 + 4 x Gigabit SFP



Introduction

LA-SWM2-G0448P series is a Layer-2 managed switch (supporting PoE function). It has 48 x 10/100/1000Mbps adaptive RJ45 ports and 4 x SFP Gigabit optical ports (SFP can change to copper by using optical-to-copper transceiver). Each RJ45 port supports MDI/MDIX auto flip and wire-speed forwarding functions. Ports 1-48 can support PoE power supply, follow the IEEE802.3af/at standard, and can be used as a power-over-Ethernet device. It can automatically detect and identify the power-receiving device that meets the standard, and supply power to it through a network cable. Using store-and-forward mode, combined with QoS technology, to ensure that the bandwidth is effectively allocated to each port, it provides stable and reliable power and data transmission for high-power AP, network cameras, PTZ network dome cameras, PoE lighting and other security monitoring equipment.

Specifications

PART NO	LA-SWM2-G0448P
Provider Mode Ports	
Fixed Port	48* 10/100/1000 Base-T + Uplink 4* 1000 Base-X
Management Port	Support console
Power Interface	220V/AC Interface
LED Indicators	PWR, SYS, Link/ACT LED

Cable Type & Transmission Distance	
Twisted-pair	Non PoE: 0-100m (CAT5e, CAT6) PoE (1000Mbps): 0-100m (CAT5e, CAT6) PoE (10Mbps): 0-250m (CAT5e, CAT6)
Mono-mode Optical Fiber	20/40/60/80/100KM
Multi-mode Optical Fiber	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	Non PoE full load < 40W PoE full load < 600W
PoE Support	
PoE Port	1-48
PoE Protocol	802.3af, 802.3at
Pin Assignment	1,2+; 3,6-
PoE Management	Support
Layer 2 Switching	
Switching Capacity	104G
Packet Forwarding Rate	77.376 Mpps
MAC Address Table	16K
VLAN	Support 4K
Buffer	12M
Forwarding Delay	< 10us
MDX/MIDX	Support
Flow Control	Support
Jumbo Frame	Support 10Kbytes
Spanning Tree	Support STP/RSTP/MSTP
Ring Protocol	Support ERPS
Link Aggregation	Support 12 groups

Multicast	Support IGMP Snooping
Port Mirroring	Support
Storm Control	Support
Interface Counters	Support
QINQ	Support
802.1X	Support
Radius/Mac Approve	Support
Port Isolation	Support
Rmon	Support
NTP Client	Support
DHCP Client	Support
DHCP Snooping	Support
Ping/Tracert Test	Support
Fiber Transceivers DDM	Support
Convergence	
ACL	Support ACL 500 Support IP standard ACL Support MAC extend ACL Support IP extend ACL
QoS	Support QoS re-marking, priority mapping Support SP, WRR queue scheduling Support entry and exit speed limit Support flow-based QoS
Management	
CLI	Support
Console	Support
Telnet/SSH	Support
WEB Management	Support
Management IP	Support IPV4/IPV6
SNMP	Support SNMPv1/v2c/v3
User Management	Support
System Log	Support
Configuration File Download/Upload	Support
Upgrade Firmware	Support

Environment	
Operating Temperature	POE: -30°C ~ + 60°C Non POE: -30°C ~ + 70°C
Storage Temperature	-40°C ~ + 70°C
Relative Humidity	5% ~ 95% non-condensing
Thermal Methods	Non PoE: Fanless design, natural heat dissipation PoE: forced cooling by fan
MTBF	100,000h
Mechanical Dimensions	
Product Size	440* 300* 44mm
Installation Method	Rack mount
Weight	Non PoE: 3.7kg PoE: 4.4kg
EMC & Ingress Protection	
Surge Protection of Power	Common mode 6KV, differential mode 6KV
Surge Protection of Ethernet Port	Common mode 4KV
ESD	Contact 8K, air 15K
Free Fall	0.5meters
Accessories	
Accessories	Equipment, power cord, certificate, user manual, dust plug

Ordering Information

PART NO	DESCRIPTION
LA-SWM2-G0448P	Managed PoE Ethernet Switch, 48 x 10/100/1000 Base-T RJ45 with PoE Uplink 4 x 1000 Base-X SFP AC100-240V 50/60Hz
LA-SWM2-G0448	Managed Ethernet Switch, 48 x 10/100/1000 Base-T RJ45 Uplink 4 x 1000 Base-X SFP AC100-240V 50/60Hz