LA-SWM2-GC0424P-Z

Layer2 Managed Ethernet Switch 4xGigabit Combo(RJ45/SFP)

24x10/100/1000Base-T PoE

Overview

Gigabit Layer 2 Managed PoE Switch is a Green Energy-Saving PoE Switch independently. With high-quality and high-speed Network IC and the most stable PoE Chip, the PoE ports meet IEEE802.3af 15.4w and IEEE802.3at 30w. This model can provide seamless connection for 10/100/1000M Ethernet, and the PoE power port can automatically detect and power the powered devices that comply with IEEE802.3af/at standards. The Non-PoE devices are forcibly powered and only transmit data.

Features

● Transfer data for network surveillance cameras
● 24 x 10/100/1000Mbps auto-sensing PoE Ports, 4 x 10/100/1000Mbps Combo Ports, 1 x Console Port
● Support IEEE802.3/IEEE802.3i/IEEE802.3uIEEE802.3ab/IEEE802.3z, IEEE802.3af/at, store-and-forward
● Compatible with IEEE802.3at (30W) and IEEE802.3af (15.4w)
● Ethernet port supports 10/100/1000M adaptive and PoE functions
● Panel indicator monitoring the status and help failure analysis
● Support 802.1x port authentication, support AAA authentication, support TACACS+ authentication;
● DOS attack defense settings, ACL settings
● Support WEB, TELNET, CLI, SSH, SNMP, RMON management
● Support PoE Power Management and PoE Watchdog
● Lightning Protection Surge: General Mode 4KV, Differential Mode 2KV, ESD 15KV.

Specifications

I/O Interface	
Power Input	Input AC 110-240V, 50/60Hz
Fixed Port	24 x 10/100/1000Mbps PoE Port 4 x 1000M Combo (RJ45/SFP) Port 1 x RJ45 Console Port
Performance	
Switching Capacity	56Gbps
Throughput	41.66Mpps
Packet Buffer	4Mb
Flash Memory	16MB
DDR SDRAM	128MB
MAC Address	8K
Jumbo Frame	9.6Kbytes
VLANs	4096
Transfer Mode	Store and forward
MTBF	100000 hours
Standard	
Network protocol	IEEE 802.3: Ethernet MAC Protocol IEEE 802.3i: 10BASE-T Ethernet IEEE 802.3u: 100BASE-TX Fast Ethernet IEEE 802.3ab: 1000BASE-T Gigabit Ethernet IEEE 802.3z: 1000BASE-X Gigabit Ethernet (optical fiber) IEEE 802.3az: Energy Efficient Ethernet IEEE 802.3ad: Standard method for performing link aggregation IEEE 802.3x: Flow control IEEE 802.1ab: LLDP/LLDP-MED (Link Layer Discovery Protocol) IEEE 802.1p: LAN Layer QoS/CoS Protocol Traffic Prioritization (Multicast filtering function) IEEE 802.1q: VLAN Bridge Operation IEEE 802.1x: Client/Server Access Control and Authentication Protocol IEEE 802.1d: STP; IEEE 802.1s: MSTP; IEEE 802.1w: RSTP
PoE Protocol	IEEE802.3af (15.4W); IEEE802.3at (30W)
Industry Standard	EMI: FCC Part 15 CISPR (EN55032) class A EMS: EN61000-4-2 (ESD), EN61000-4-4 (EFT), EN61000-4-5 (Surge) Shock: IEC 60068-2-27 Free Fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Network Medium	10Base-T: Cat3, 4, 5 or above UTP(≤100m) 100Base-TX: Cat5 or above UTP(≤100m) 1000Base-TX: Cat5 or above UTP(≤100m)

Optical	Multimode fiber: 1310nm, 2Km Single mode fiber: 1310nm, 20/40 Km; 1550nm, 60/80/100/120Km
Protection	
Security Certificate	CE/FCC/RoHS
Environment	
Working Environment	Working Temperature: -20~55°C Storage Temperature: -40~85°C Working Humidity : 10%~90%，non-condensing Storage Temperature: 5%~90%，non-condensing Working Height: Maximum10,000 feet Storage heigh: Maximum 10,000 feet
Indication	
LED Indicators	PWR (power supply) SYS (System) 1-24 PoE & ACT (PoE) 1-24 Link & ACT (Link & Act) 25-28 Link (Link) 25-28 Act (Act)
DIP Switch	Reset
Mechanical	
Structure Size	Product Dimension (L*W*H): 440* 284*44mm Package Dimension (L*W*H): 495*350*103mm N.W: 3.5kg G.W: 4.25kg
Packing Info	Carton MEAS: 592*510*375mm Packing Qty: 5 units Packing Weight: 22.5KG
Layer 2 Software Function	
Port Management	Enable/Disable Port Speed, Duplex, MTU Setting Flow-control Port Information Check
Port Mirroring	Supports both side-way port mirroring
Port Speed Limit	Supports port-based input / output bandwidth management
Port Isolation	Support the downlink port isolation, and can communicate with the uplink port
Storm Suppression	Supports unknown unicast, multicast, unknown multicast, broadcast type storm suppression Storm suppression based on bandwidth regulation and storm filtering
Link Aggregation	Support static manual aggregation Support LACP dynamic aggregation

VLAN	Access
	Trunk
	Hybrid
	Support port, protocol, MAC-based VLAN partitioning
	Support GVRP dynamic VLAN registration
	Voice VLAN
MAC	Support static addition, deletion
	MAC address learning limit
	Support dynamic aging time setting
Spanning tree	Support STP spanning tree protocol
	Supports RSTP Rapid Spanning Tree Protocol
	Supports MSTP Rapid Spanning Tree Protocol
Multicast	Support static addition, deletion
	IGMP-snooping
	Support MLD-Snooping
	Support v1/2/3 dynamic multicast monitor
DDM	Support SFP/SFP+DDM
Extended Function	
ACL	Based on source MAC, destination MAC, protocol type, source IP, destination IP, L4 port
QoS	Based on 802.1p (COS) classification
	Based on DSCP classification
	Classification based on source IP, destination IP, and port number
	Support SP, WRR scheduling strategy
	Support flow rate limit CAR
LLDP	Support LLDP link discovery protocol
User settings	Add/delete users
Log	User login, operation, status, events
Anti-attack	DOS defense
	Support CPU protection and limits the rate of sending CPU packets
	ARP binding (IP, MAC, PORT binding)
Certification	Support 802.1x port authentication
	Support AAA certification
Network diagnosis	Support ping, telnet, trace
System Management	Device reset, configuration save/restore, upgrade management, time setting, etc.
Management function	
CLI	Support serial port command line management
SSH	Support SSHv1/2 remote management
TELNET	Support telnet remote management
WEB	Support Layer 2 settings, Layer 2 and Layer 3 monitor

SNMP	SNMP V1/V2/V3
	Support trap: ColdStart, WarmStart, LinkDown, LinkUp
RMON	Support RMON v1
PoE	Support PoE power supply
Other functions	Support DHCP Snooping, Option82, DHCP Server
	Support dynamic ARP detection
	Support TACACS+ certification
	Support DNS certification
	Support port security settings
	Support MVR protocol
	Support cable detection VCT function
	Support UDLD protocol

Dimension
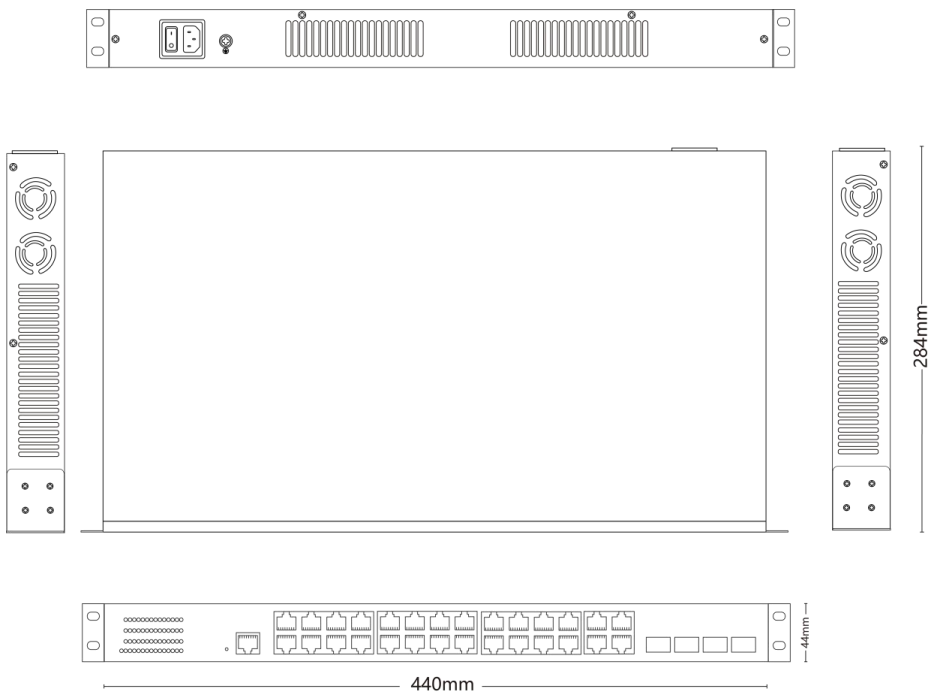
Ordering Information

P/N	Description
LA-SWM2-GC0424P-Z300w	Layer2 Managed Ethernet Switch 4xGigabit Combo(RJ45/SFP) 24x10/100/1000Base-T PoE Port, Internal Power Supply 52V/5.76A, 300w
LA-SWM2-GC0424P-Z400w	Layer2 Managed Ethernet Switch 4xGigabit Combo(RJ45/SFP) 24x10/100/1000Base-T PoE Port, Internal Power Supply 52V/7.69A, 400w