

# LA-SWAI-G0218P

Unmanaged Gigabit 16Port PoE Switch, 16 x 10/100/1000Mbps RJ45 with PoE + 2 x Gigabit SFP & 2 x Gigabit RJ45 Uplink



## Introduction

LA-SWAI-G0218P series is an unmanaged switch (supporting PoE function). It has 16 10/100/1000Mbps adaptive RJ45 ports and 2 SFP Gigabit optical ports & 2 Gigabit RJ45 ports. Each RJ45 port supports MDI/MDIX auto flip and wire-speed forwarding functions. Ports 1-16 can support PoE power supply, compliant with 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 power up via 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 APs, network cameras, PTZ network dome cameras, PoE lighting and other security monitoring equipment.

## Specifications

PART NO	LA-SWAI-G0218P
Provider Mode Ports	
Fixed Port	16*10/100/1000 Base-T with PoE 2*1000Base-T & 2*1000Base-X Uplink
Power Interface	100-220V/AC Interface
LED Indicators	P, M, 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	
Star Topology	Support
Bus Topology	Support
Tree Topology	Support
Non-PoE Dialing Instructions	
1: V Port	Ensure that the packets of the V port are forwarded preferentially when the network is congested
2: Port Isolated	Port Isolated
3: VLAN	VLAN
4: Port Mirror	Port Mirror
PoE Dialing Instructions	
1: V Port (1-2port)	Ensure that the packets of the V port are forwarded preferentially when the network is congested When the power supply load is overloaded, ensure that the V port gives priority to power supply
2: Port Isolated	Port Isolated
3: RPR	PoE remote PD restarts without sensing
4: LDS	250m long-distance switching (10Mbps)
Electrical Specifications	
Input Voltage	AC 100-240V 50/60Hz
Total Power Consumption	Non PoE full load < 10W PoE full load < 280W
PoE Support (Optional)	
PoE Port	1-16
PoE Protocol	802.3af, 802.3at
Pin Assignment	1, 2, 3, 6
PoE Management	Support
Layer 2 Switching	
Switching Capacity	40G
Packet Forwarding Rate	29.76Mpps
MAC Address Table	16K
Buffer	12M
Forwarding Delay	< 10us
MDX/MIDX	Support

Flow Control	Support
Jumbo Frame	Support 10Kbytes
Port Mirroring	Support
Storm Control	Support
<b>Environment</b>	
Operating temperature	POE: -25°C ~ + 60°C Non POE: -25°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 : natural cooling by fan
MTBF	100,000 hours
<b>Mechanical Dimensions</b>	
Product Size	300* 235* 44mm
Installation Method	Rack mount
Weight	Non PoE: 2.2kg PoE: 3.0kg
<b>EMC &amp; Ingress Protection</b>	
Surge Protection of Power	IEC 61000-4-5 Level X (6KV) (8/20us)
Surge Protection of Ethernet Port	IEC 61000-4-5 Level 4 (4KV) (10/700us)
ESD	IEC 61000-4-2 Level 4 (8K/15K)
Free Fall	0.5m
<b>Accessories</b>	
Accessories	Equipment, power cord, certificate, user manual, dust plug

## Ordering Information

PART NO	DESCRIPTION
LA-SWAI-G0218P	16 x 10/100/1000Mbps RJ45 with PoE + 2 x Gigabit SFP & 2 x 10/100/1000Mbps RJ45 Uplink, AC 100-240V 50/60HZ
LA-SWAI-G0218PC	18 x 10/100/1000Mbps RJ45 with PoE + 2 x Gigabit SFP Uplink, AC 100-240V 50/60HZ