

LA-SWAI-F0010PB-S120w

Ethernet Switch 2x10/100M RJ45, 8x10/100Base-T PoE Port

Port 1 supports IEEE802.3bt PoE++ max.90w, VLAN setting, 250meter transmission



Overview

8x10/100Base-T PoE + 2x10/100Base-T Ethernet Switch, provides a seamless connection network, the PoE power port can automatically detect and power the powered devices that comply with the IEEE802.3af, IEEE802.3at, or IEEE802.3bt standards. Port 1 supports IEEE802.3af/at/bt, max. PoE++ 90w, Port 2-8 supports IEEE802.3af/at max 30W/port. PoE is Power over Ethernet, which refers to the transmission of data signals to some IP-based terminals (such as IP phones, wireless access APs, network cameras, etc.), but also provides DC power for this device. Technology, these devices that receive DC power are called powered devices. With simple and convenient installation and maintenance methods and rich business features, it helps users to build a safe and reliable high-performance network.

Features

- Comply with IEEE 802.3, IEEE 802.3u, IEEE802.3af/at/bt standards
- Ethernet port supports 10/100M adaptive and PoE functions
- Flow control mode: full-duplex adopts IEEE 802.3x standard, half-duplex adopts back pressure standard
- Support Port Auto-flip (Auto MDI/MDIX)
- Panel indicator monitoring status and help failure analysis
- Support Watchdog Function
- Lightning Protection Surge: General Mode 6KV, Differential Mode 4KV, ESD 8KV.

Specifications

I/O Interface

Power Input AC 100-240V, 50/60Hz, Power supply 52V 2.3A

Fixed Port 8 x 10/100Base-TX PoE port
2 x 10/100Base-TX Uplink RJ45 port

Performance

Switching Capacity 2Gbps

Throughput 1.48Mpps

Packet Buffer 768K

MAC Address 2K

Jumbo Frame 9216bytes

Transfer Mode Store and forward

MTBF 100,000 hours

Standard

Network protocol IEEE802.3 (10Base-T)
IEEE802.3u (100Base-TX)
IEEE802.3x (Flow control)

PoE Protocol IEEE802.3af (15.4W)
IEEE802.3at (30W)
IEEE802.3bt (90w)
Port 1 supports IEEE802.3af/at/bt, max. PoE++ 90w
Port 2-8 supports IEEE802.3af/at, max 30W/port
PoE Pin: af/at: 12+ 36-; af/at/poe++/bt: 12+ 45+ 36- 78-
PoE Watchdog: PoE auto execution, detection and resets fault device, when PoE is on

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(≤250m)
100Base-TX: Cat5 or above UTP(≤150m)

Certificates

Security Certificate CE, FCC, RoHS

Environment

Working Environment Working Temperature: -10~50°C
Storage Temperature: -40~70°C
Working Humidity: 10%~90%, non-condensing
Storage Humidity: 5%~90%, non-condensing
Working Height: Maximum 10,000 feet
Storage Height: Maximum 10,000 feet

Indication

LED Indicators P: Power LED (over-power LED)
Uplink: (LED=10/100M Link/Act LED)
Port: (Orange=PoE LED, Green=LAN Link LED)
V: (Port isolation LED)
S: (Super mode LED)

(S) Link Extension Mode. 1-8 ports force 10M, link 250meter transmission distance

DIP Switch

(V) VLAN Port Isolation Feature. When switching the DIP to the 'V' position, ports 1 to 8 are not able to communicate with one another. This helps to prevent the IP camera's multicast or broadcast storm from influencing one another.

(P) Flow Control

Mechanical

Structure Size Product Dimension (L*W*H): 210mm*150mm*35mm
 Package Dimension (L*W*H): 265mm*220mm*68mm
 N.W: 0.8kg
 G.W: 1.2kg

Packing Info Carton MEAS: 505*320*402mm
 Packing Qty: 20 units
 Packing Weight: 19kgs

Application

- Metro Optical Broadband Network: Data communications, cable TV, and network system integration,etc.
- Broadband private network: Suitable for financial, government, oil, railway, electric power, public security, transportation, education and other industries
- Multimedia transmission: Integrated transmission of images, voice and data, suitable for remote teaching, conference TV, videophone and other applications
- Real-time monitoring: Simultaneous transmission of real-time control signals, images and data

Ordering Information

P/N	Description
LA-SWAI-F0010PB-S120w	Ethernet Switch 8x10/100Base-T PoE, Uplink 2x10/100M RJ45 Port, 120w