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	2К
Jumbo Frame	9216bytes

MTBF 100, 000 hours Standard Network protocol IEEE802.3 (108ase-T) IEEE802.3 (1008ase-T) IEEE802.3 (1000 hours PoE Protocol IEEE802.3 (1000 hours) IEEE802.3 (1000 hours) IEEE802.3 (1000 hours) IEEE802.3 (1000 hours) Port 1 supports IEEE802.3 (1000 hours) Port 1 supports IEEE802.3 (1000 hours) Port 1 supports IEEE802.3 (1000 hours) Port 2-8 supports IEEE802.3 (1000 hours) Stock: IEC 60068-2-27 Profe Watchdog: PoE auto execution, detection and resets fault device, when PoE Is on Potox: IEC 60068-2-27 Vibration: IEE802.30 (Internation: -10°50°C Storage Temperature: -10°50°C Storage Temperature: -10°50°C Storage Temperature: -10°50°C Storage Temperature: -10°50°C Storage Temperature: -10°50°C Sto	Transfer Mode	Store and forward
Network protocolIEEEB02.3 (10Base-T) IEEEB02.3u (100Base-TX) IEEEB02.3u (100Base-TX) IEEEB02.3a (Flow control)PoE ProtocolIEEEB02.3a (Flow control)PoE ProtocolIEEEB02.3a (15.4W) IEEEB02.3a (30W) IEEEB02.3a (30W) IEEEB02.3a (30W) Port 1 supports IEEEB02.3a (/at, max 30W/port Port 2-8 supports IEEEB02.3a //at, max 30W/port Port 2-8 supports IEEEB02.3a //at, max 30W/port Port 2-9 supports IEEEB02.3a //at, max 30W/port Port 2-9 EPin: 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 onIndustry StandardEMI: FCC Part 15 CISPR (ENS5032) class A EMS: EN61000-4-2 (ESD), EN61000-4-4 (EFT), EN61000-4-5 (Surge) Shock: IEE 60068-2-27 Shock: IEE 60068-2-27 Vibration: IEC 60068-2-27 Shock: IEE 60068-2-27 Vibration: IEC 60068-2-28Network Medium10Base-T: Cat3, 4, 5 or above UTP(<250m) 100Base-TX: Cat5 or above UTP(<250m)	MTBF	100, 000 hours
Network protocol IEEE802.3x (Flow control) PoE Protocol IEEE802.3st (Flow control) PoE Protocol IEEE802.3st (GOW) Port 1 Supports IEEE802.3af/at/bt, max. PoE++ 90w Port 2-8 supports IEEE802.3af/at/bt, max. PoE++ 90w Port 2-8 supports IEEE802.3af/at/bt, max. PoE++ 90w Port 2-8 supports IEEE802.3af/at/bt, max. PoE++ 90w PoE Protocol IEEE802.3st (GOW) Port 1 supports IEEE802.3af/at/bt, max. PoE++ 90w Port 2-8 supports IEEE802.3af/at/bt, max. PoE++ 90w Port 2-8 supports IEEE802.3af/at/bt, max. PoE++ 90w Industry Standard EMI: FCC Part 15 CISPR (EN55032) class A EMI: EC60068-2-27 Stock: IEC 60068-2-27 Vibration: IEC 60068-2-32 Vibration: IEC 60068-2-32 Vibration: IEC 60068-2-32 Network Medium 10Base-TX: Cat3, 4, 5 or above UTP(≤250m) 100Base-TX: Cat5 or above UTP(≤150m) Certificates E Forionment Vorking Temperature: -10^-50°C Storage Temperature: -10^-50°C Working Humidity: 10%=90%, non-condensing Storage Temperature: -10^-50°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 LED Indicators P: Power LED (over-power LED) Uplink: (LED=10/100M Link/Act LED) Port: (OrangePoE LED, Green=LAN Link LED) Y: (Port isolation LED)	Standard	
PoE ProtocolIEEE802.3dt (30W) IEEE802.3bt (90w) Port 1 supports IEEE802.3d/at/bt, max. PoE++90w Port 1.8 supports IEEE802.3d/at/bt, max. PoE++90w Port 1.8 supports IEEE802.3d/at/bt, max. PoE++90w Port 2.8 supports IEEE802.3d/at/poe+/bt: 124 45+ 36-78- PoE Watchdog: PoE auto execution, detection and resets fault device, when PoE is onIndustry StandardEMI: FCC Part 15 CISPR (ENS5032) class A EMS: ENG1000-42 (ESD), ENG1000-4-4 (EFT), ENG1000-4-5 (Surge) Shock: IEC 60068-2-32 Vibration: IEC 60068-2-66Network Medium108ase-T: Cat3, 4, 5 or above UTP(<250m) 100Base-TX: Cat5 or above UTP(<150m)	Network protocol	IEEE802.3u (100Base-TX)
Industry StandardEMS: ENG1000-4-2 (ESD), ENG1000-4-4 (EFT), ENG1000-4-5 (Surge) Shock: IEC 60068-2-32 Vibration: IEC 60068-2-32 Vibration: IEC 60068-2-6Network Medium10Base-T: Cat3, 4, 5 or above UTP(≤250m) 100Base-TX: Cat5 or above UTP(≤150m)CertificatesSecurity CertificateCE, FCC, RoHSEnvironmentWorking EnvironmentWorking Temperature: -10°50°C Storage Temperature: -40°70°C Working Humidity: 10%°90%, non-condensing Storage Temperature: -40°70°C Working Humidity: 5%°90%, non-condensing Storage Humidity: 5%°90%, non-condensing Distorage Humidity: 5%°90%, non-condensing Working Height: Maximum 10,000 feet storage Height: Maximum 10,000 feet Storage Humidity: 10%°90%, non-condensing Working Height: Maximum 10,000 feet Storage Height: Maximum 10,000 feet 	PoE Protocol	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-
Network Medium 100Base-TX: Cat5 or above UTP(≤150m) Certificates Execurity Certificate Security Certificate CE, FCC, RoHS Environment Working Temperature: -10°50°C Storage Temperature: -40°70°C Working Humidity: 10%°90%, non-condensing Storage Temperature: -40°70°C Working Environment Working Humidity: 10%°90%, non-condensing Storage Humidity: 55°90%, non-condensing Working Height: Maximum 10,000 feet Storage Height: Maximum 10,000 feet Indication P: Power LED (over-power LED) Uplink: (LED=10/100M Link/Act LED) Port: (Orange=PoE LED, Green=LAN Link LED) Y: (Port isolation LED)	Industry Standard	EMS: EN61000-4-2 (ESD), EN61000-4-4 (EFT), EN61000-4-5 (Surge) Shock: IEC 60068-2-27 Free Fall: IEC 60068-2-32
Security Certificate CE, FCC, RoHS Environment Working Temperature: -10°50°C Storage Temperature: -40°70°C Storage Temperature: -40°70°C Working Humidity: 10%~90%, non-condensing Storage Humidity: 5%~90%, non-condensing Storage Humidity: 5%~90%, non-condensing Working Height: Maximum 10,000 feet Indication P: Power LED (over-power LED) LED Indicators P: Power LED (over-power LED) Vplink: (LED=10/100M Link/Act LED) Port: (Orange=PoE LED, Green=LAN Link LED) V: (Port isolation LED) Y: (Port isolation LED)	Network Medium	
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Working EnvironmentStorage 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 feetIndicationEndicationLED IndicatorsP: Power LED (over-power LED) Uplink: (LED=10/100M Link/Act LED) Port: (Orange=PoE LED, Green=LAN Link LED) V: (Port isolation LED)	Environment	
P: Power LED (over-power LED) Uplink: (LED=10/100M Link/Act LED) LED Indicators Port: (Orange=PoE LED, Green=LAN Link LED) V: (Port isolation LED)	Working Environment	Storage Temperature: -40~70°C Working Humidity: 10%~90%, non-condensing Storage Humidity: 5%~90%, non-condensing Working Height: Maximum 10,000 feet
LED Indicators Uplink: (LED=10/100M Link/Act LED) V: (Port isolation LED)	Indication	
	LED Indicators	Uplink: (LED=10/100M Link/Act LED) Port: (Orange=PoE LED, Green=LAN Link LED) V: (Port isolation 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: Dat mmunications, 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