

WEB Managed Industrial 8-Port 10/100/1000T + 2-Port 100/1000X SFP Solar Power PoE Switch w/ 12V Booster

Features

- ▶ 8-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP
- ▶ Support **ERPS Ring Function**, WEB Management
- ▶ Redundant **12~48VDC** wide range power input with **power booster function** & reverse polarity protection
- ▶ Supports IEEE 802.3at PoE+ (**Max 30W PoE at one port**), **Up to 240W PoE budget (24-48VDC)**, **120W PoE budget (12VDC)**
- ▶ Compatible with mainstream industrial automation protocols, not limited to Modbus TCP, Ethernet/IP etc
- ▶ The wide temperature design is resistant to long-term operation at a temperature from -40°C to 80°C
- ▶ Long service life, MTBF 300,000 hours, 5-year warranty
- ▶ Quick-pull rail mounting (for control cabinets or direct installation on automation equipment)
- ▶ Fanless design, efficient wave-shaped aluminum alloy shell heat dissipation surface



Overview

Integrated industrial Ethernet WEB management Solar Power PoE Switch w/ 12~48V Booster. The switch provides 8-Port PoE+ function for kinds of Powered Devices to receive power as well as data over the RJ-45 cable. It supports 12VDC or 24VDC power input with power booster function. With its reliable design and ease of use, the product is a great choice for integrating networks consisting of network devices such as IP cameras and wireless access points between remote locations. This product is mainly developed for the application of point-to-point networks, star networks, tree networks, chain networks and ring networks in the industrial field. It is equipped with 8-PoE Gigabit Ethernet adaptive RJ45 ports, 2 SFP ports, a WEB management model, plug and play, simple and convenient to use, and supports the ERPS protocol. All ports support full-line- speed forwarding.

To facilitate the 802.3at PoE+ usage with the commonly-used 12~48V DC power input for transportation and industrial-level applications, the switch adopts 12~48V DC to 48V DC power boost technology to solve power source issue but does not require special power supplies. Its wide-ranging voltages design is suitable for worldwide operability with high availability applications requiring dual or backup power inputs. It supports 240W PoE budget (48VDC) and 120W PoE budget (12VDC).

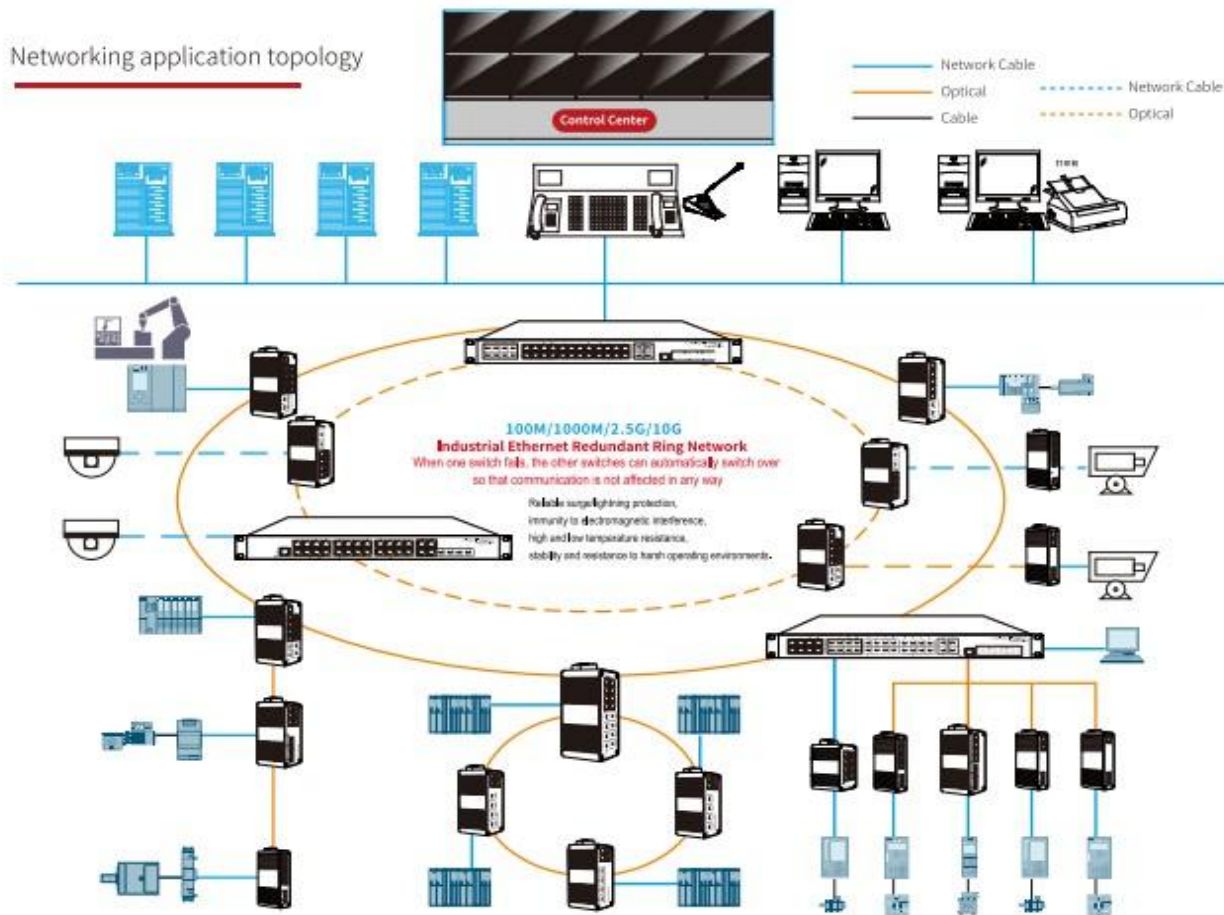
Its high-performance switching engine, IP40 protection-rated housing, fanless design, efficient wavy aluminum alloy housing heat dissipation surface, overcurrent, overvoltage and EMC protection at the power input end, and excellent EMC protection performance of the RJ45 port enable the series of products to adapt to harsh and dangerous industrial environments. Provide reliable and convenient solutions for networking users' Ethernet devices.

Application

Industrial 8 Ports POE Switch with DC12V - DC48V Voltage Booster



Networking application topology



Specifications

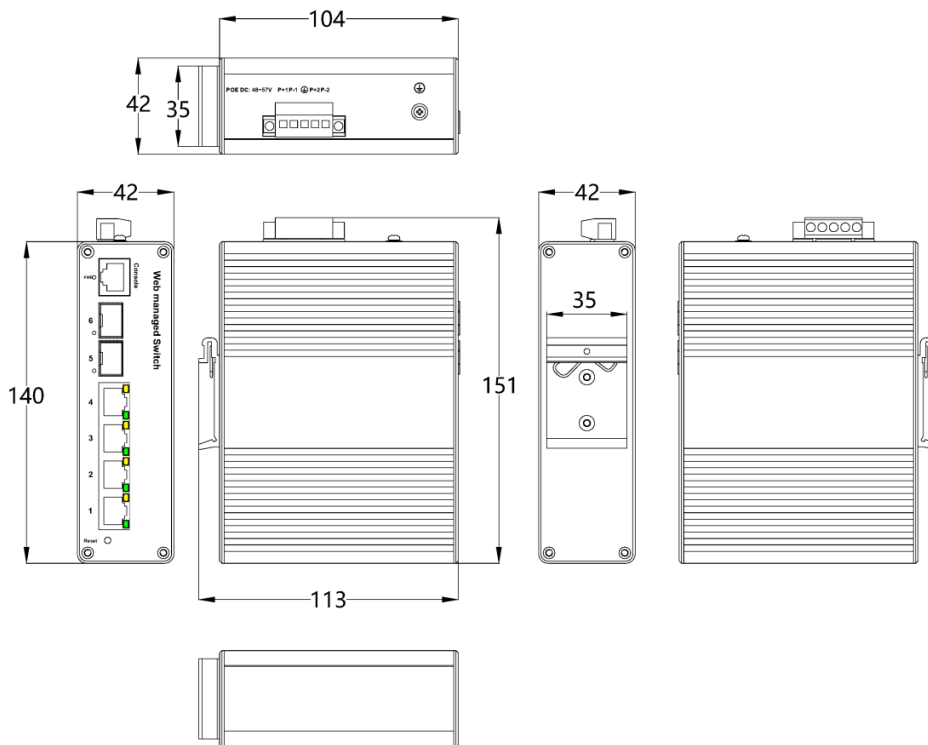
Specifications	
Model No.	20124915
RJ45 port	8*10/100/1000Base-T support 8* PoE power supply (IEEE802.3 af/at)
Optical Port	2*100/1000Base-X SFP
Port Description	RJ45 Port: 10/100/1000Base-T (X) Automatic detection, Full/half duplex MDI/MDI-x adaptive Optical Port: 100/1000Base-FX port (SFP)

Network Protocols	IEEE802.3-10BaseT, IEEE802.3u-100BaseTX/100Base-FX, IEEE802.3x-Flow Control, IEEE802.3z-1000BaseLX, IEEE802.3ab-1000BaseTX, IEEE802.1Q -VLAN Tagging, IEEE802.3af; IEEE802.3at;
PoE Standard	Output Power: IEEE 802.3af maximum 15.4W IEEE 802.3at maximum 30W PoE port automatically identifies af/at PoE power supply pin: corresponding pin V+ (1, 2) V- (3, 6)
PoE Power Budget	240W maximum@24-48V DC 120W maximum@12V DC
Redundant Technology	Support ERPS
Switch Function	Support port speed limit, convergence, flow control Support port VLAN, IEEE 802.1Q VLAN Support broadcast storm
Manage and Maintain	Support Web-management
Switch Properties	Processing Type: Store and Forward MAC Table Size : 4K Bandwidth: 21G Power Consume: <246W
LED Indicator	Power: PWR Red Interface indicator light: RJ45: Yellow (PoE) Green (Link/Act) SFP optical port green (Uplink/Act)
Power	Access terminal: 5 p terminal Input voltage: DC 12 ~ 48V (redundant power) Support reverse connection protection
Working Environment	Working temperature:-40~80 °C (-40~176 °F) Storage Temperature: -40~85 °C (-40~185 °F) Ambient Relative Humidity : 5%~95% (non-condensing)
Industry Standards	EMI: FCC Part 15 Subpart B Class A, EN 55032 Class A EMS :IEC(EN)61000-4-2(ESD):±8kV Contact discharge,±15kVAir discharge IEC(EN)61000-4-3(RS):10V/m(80~1000MHz) IEC(EN)61000-4-4(EFT):power line:±4kV;data line:±2kV IEC(EN)61000-4-5(Surge):power line:±6kV CM/±2kV DM;data line:±4kV CM/±2kV DM IEC(EN)61000-4-6(RF conduction):3V(10kHz~150kHz),10V(150kHz~80MHz) IEC(EN)61000-4-16(Common mode conduction):30V cont. 300V,1s IEC(EN)61000-4-8 Shock: IEC 60068-2-27 Freefall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Physical Characteristics	Enclosure: Wavy aluminum alloy Installation: Push-in DIN rail Weight: 0.52Kg Dimensions: 140x 104x 42mm (L x W x H)

Order Information

Model	Description
20124915	WEB Managed Industrial 8-Port 10/100/1000T + 2-Port 100/1000X SFP Solar Power PoE Switch w/ 12V Booster, 12-48VDC Power Input, support ERPS ring Network management, DIN-Rail Installation, PoE Power budget: 120W@12VDC, 240W@24-48VDC, not including power adapter
SFP Options	► SFP option. Please select your SFP on our SFP Options Page (Industrial SFP).
	► SFP module is to be purchased separately.
Mounting Options	► Default DIN-Rail Bracket installed.
Power Options	► DIN-Rail Power Supply. Open Wire for Terminal Block.
	► Power Supply is to be purchased separately.

Dimension (Unit: mm)



Press-in rail mounting

