

DIREKTRONIK

Industrial 8-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP WEB Managed Ethernet Switch

Features

- ▶ 8-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP
- ▶ Support ERPS Ring Function, WEB Management
- ▶ Compatible with mainstream industrial automation protocols, not limited to Modbus TCP, Ethernet/IP etc
- ▶ Reliable anti-surge, anti-lightning, anti-electromagnetic interference, anti-vibration, stable and resistant to harsh working environments
- ▶ Power supply supports redundant DC 48-57V wide voltage range with reverse polarity protection
- ▶ The wide temperature design is resistant to long-term operation at a temperature from -40℃ to 80℃
- ▶ 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

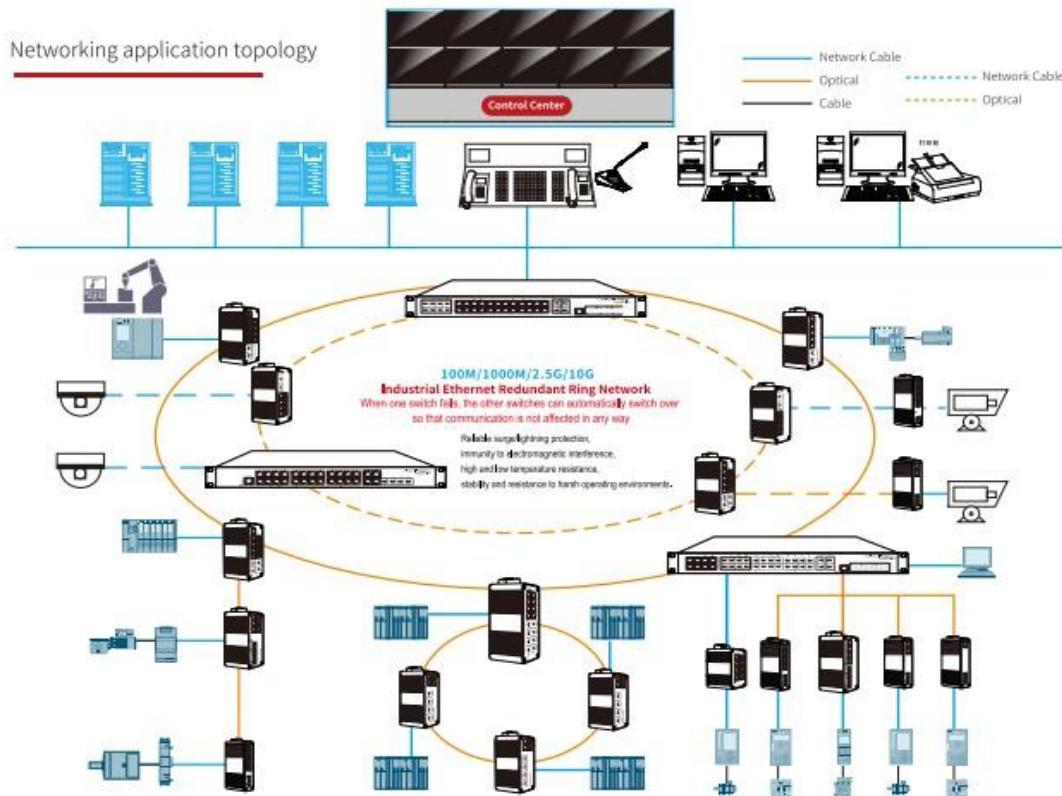


Overview

Integrated industrial Ethernet WEB management PoE switch with optical and electrical convergence independently developed by our company. 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.

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



Specifications

Specifications	
Model No.	20124657
RJ45 port	8*10/100/1000Base-TX support 8* PoE power supply (IEEE802.3 af/at)
Optical Port	2*100/1000Base-FX (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) Managed: RJ-45 Console port
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)
Redundant Technology	Support ERPS
Switch Function	Support port speed limit, convergence, flow control Support port VLAN, IEEE 802.1Q VLAN Support broadcast storm



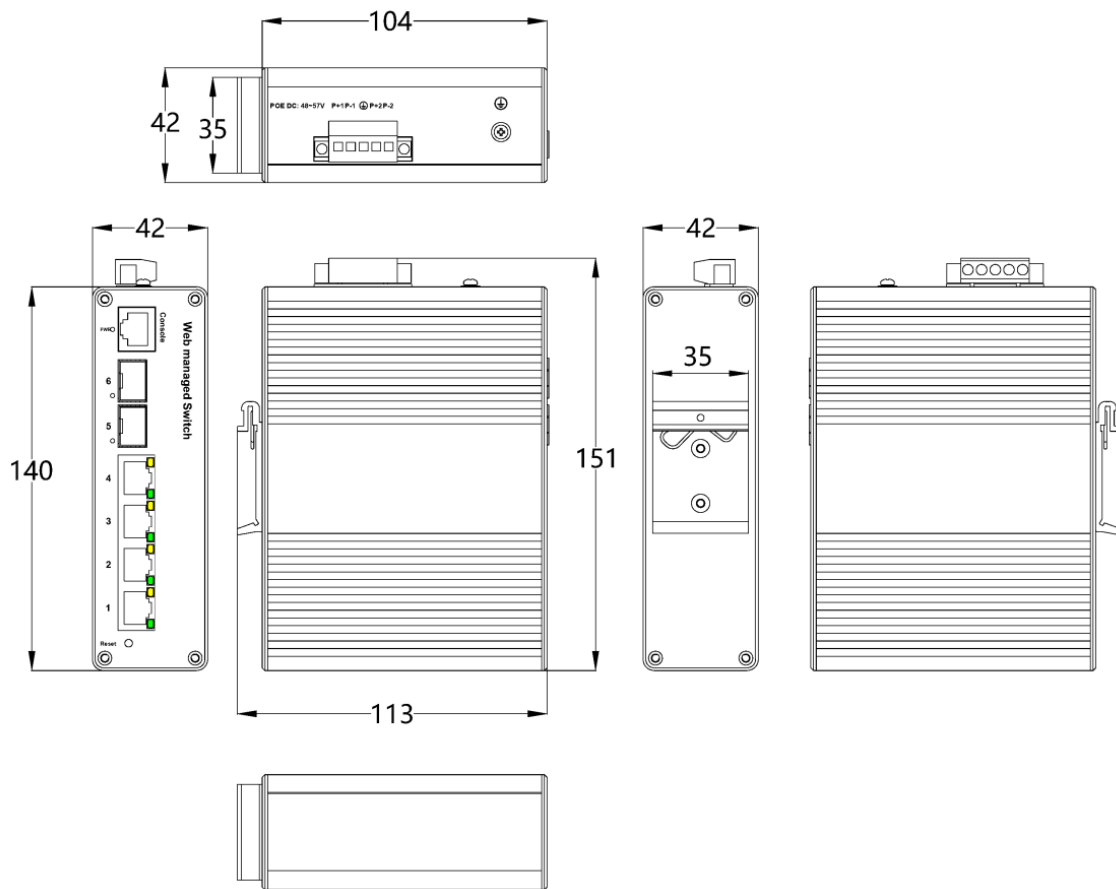
Manage and Maintain	Support Web-management
Switch Properties	Processing Type: Store and Forward Bandwidth: 21G MAC Table Size : 4K Power Consume: <246W
LED Indicator	Power: PWR Red Interface indicator light: RJ45: Yellow (PoE) Green (Link/Act) SFP optical port green (Uplink/Act)
Power	Access terminal: 5 p terminal Input voltage: DC 48 ~ 57 V (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
20124657	Industrial 8-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP WEB Managed Ethernet Switch, not including SFP module, standalone, Support DIN-Rail mounting and installation, not including power supply adapter
SFP Options	<p>► SFP option. Please select your SFP on our SFP Options Page (Industrial SFP).</p> <p>► SFP module is to be purchased separately.</p>
Mounting Options	► Default DIN-Rail Bracket installed; Wall Mount Bracket is included.
Power Options	<p>► DIN-Rail Power Supply. Open Wire for Terminal Block.</p> <p>► Power Supply is to be purchased separately.</p>

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Dimension (Unit: mm)



Press-in rail mounting

