SEIAOTEK

6-Port Industrial Unmanaged Gigabit PoE+ Switch

ST-IND0402PS Datasheet

Product Description

ST-IND0402PS is a 6-Port Unmanaged Industrial-grade Gigabit PoE+ switch that provides 4 Gigabit PoE+ ports and 2 Gigabit SFP slots. It adopts fanless heat dissipation circuit and redundant power circuit design, and the switch supports EMC industry level 4 protection performance, with corrugated high-strength aluminum profile shell, IP40 grade, low power consumption, earthquake-resistant Din-rail installation, -40℃-75℃ Working temperature, which can performance well in harsh environment.

Product Appearance

ST-IND0402PS	● Input voltage: DC: 48-56V ● Working temperature: -40℃ ~ +75℃ ● Shell: IP40 protection level, fanless design ● Static electricity: 8KV-15KV ● MTBF: 100000 hours

Product Performance

● Provide 4*10/100/1000M Self-adaptive PoE+ ports
● Provide 2*1000M SFP slots
● Support IEEE 802.3x full-duplex flow control and Backpressure half-duplex flow
● Each PoE port supports MDI/MDIX auto flip and wire-speed forwarding functions

Product Parameters

Model	ST-IND0402PS
Port description	4 x electrical port (PoE+) 1000BASE-T 2 x optical port (SFP) 1000BASE-X
Optical port characteristics	Interface type: SFP Speed: 1000Mbps Wavelength: Single mode fiber: 1310nm/1550nm Multimode fiber: 850nm Core standard: Single mode: 8.3μm, 8.7μm, 9μm, 10μm Multimode: 50μm, 62.5μm, 100μm
Electrical port characteristics	Interface type: PoE+ Rate: 10/100/1000Mbps adaptive Duplex mode: full/half duplex Connection mode: MDI/MDIX automatic flip

Protocol standard	IEEE802.3i 10 BASE-T
	IEEE802.3u 100 BASE-TX
	IEEE802.3ab 1000 BASE-T
	IEEE802.3z 1000 BASE-LX
	IEEE802.3af Power over Ethernet
	IEEE802.3at Power over Ethernet
	IEEE802.3x Flow Control
	IEEE802.3az EEE
Exchange performance	Backplane bandwidth: 12Gbps
	Packet forwarding rate: 8.92Mpps
	MAC address: 8K
	Packet buffer: 2Mbit
	Forwarding mode: Store and forward
Power supply	Input power: DC 48~56V (6PIN Phoenix terminal), 1*DC interface
	Power consumption: full load <6W (not including PoE)
	Dual power supply: support
	Redundant protection: support
	Reverse connection protection: support
Mechanical structure	Shell material: metal
	Protection level: IP40
	Size: 145*103*44mm (Excluding connector protruding part and DIN rail assembly size)
	Weight: 0.85Kg
	Installation method: DIN Rail installation
Surroundings	Working temperature: -40℃~75℃
	Storage temperature: -40℃~85℃
	Relative humidity: 5%~95% RH (non-condensing)
Industry Standard	EMI: CE/FCC
	EMS: IEC61000-4-2 (ESD-static)
	IEC61000-4-3 (RS-radiation anti-interference)
	IEC61000-4-4 (EFT-fast burst)
	IEC61000-4-5 (Surge-lightning protection)
	IEC61000-4-6 (CS-conducted anti-interference)
	Machinery: IEC60068-2-6 (vibration)
	IEC60068-2-27 (Shock)
	IEC60068-2-32 (free fall)
	Industry: IEC61000-6-2
	Railway: EN50155, EN50121-4
	Transportation: NEMA TS-2
Warranty	Warranty period: 3 Years

Installation Method

Before installation, confirm the operating environment of the equipment: power supply voltage, installation space, installation method, etc. Please carefully confirm the following installation requirements:

1. Check if there are cables and connectors required for installation
2. According to the reasonable configuration requirements, check whether the cable is in place (not more than 100m)
3. The product does not provide installation components, the user needs to prepare the components of the selected installation type: screws, nuts, tools, etc., to ensure reliable installation
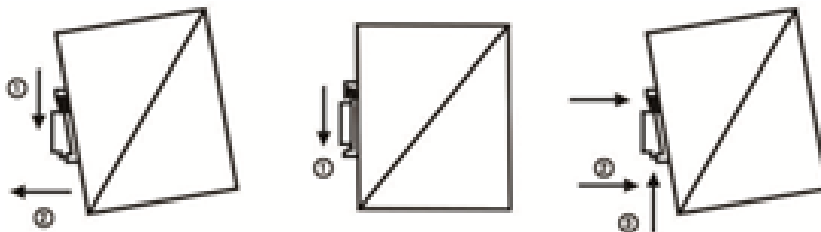
Power requirements: 48-56V DC

Environmental requirements

Working temperature: -40～75℃

Storage temperature: -40～75℃

Relative humidity: 5%～95% (no condensation)

Rail installation

Note: All pictures are schematic diagrams, and the actual product is the main product

Order Information

ST-IND0402PS	4*10/100/1000M Self-adaptive PoE+ ports + 2*1000M SFP slots