VALTORIS
Reliable IIoT Connectivity

VT-SW5P-4TPOE

5-Port Layer-2 100M PoE DIN-Rail Industrial Ethernet Switch

- Supports 4 x 100Mbps PoE copper ports + 1 x 100Mbps Ethernet copper port
- Copper ports support 10/100Mbps, full/half-duplex, MDI/MDI-X auto-sensing, plug and play for convenience and speed
- Copper ports support half-duplex backpressure or full-duplex IEEE802.3x flow control
- PoE complies with IEEE802.3af/at standards, with a maximum single-port PoE output power of 30W and a total maximum PoE output power of 120W
- Jumbo frame transmission, with a maximum frame length of 2048 bytes
- High-level EMS protection ensures normal and stable operation in complex electromagnetic environments, unaffected by external electromagnetic interference
- Dual DC48-57V power input, dual power redundancy, reverse connection protection
- High-strength metal casing, IP40 protection level, fanless casing for heat dissipation, the equipment can reliably work in harsh industrial environments of -40℃~+75℃

CE FC RoHS IP40

Product Description

The VT-SW5P-4TPOE is a 5-port Layer 2 100Mbps PoE unmanaged DIN-RAIL industrial Ethernet switch. It is mainly used for simple plug-and-play application methods and provides PoE power output. The PoE copper ports support 10/100M, full/half duplex, MDI/MDI-X auto-adaptation, and provide PoE power output. It complies with IEEE 802.3af/at standards and provides power to standard PD power-receiving devices through a network cable, without affecting the normal transmission of network data. It saves power wiring costs and provides high bandwidth, low latency and high reliability for network communication in the industrial automation application field.

VT-SW5P-4TPOE provides 4* 100Mbps PoE copper ports and 1* 100Mbps copper port. It adopts a reliable industrial-grade design, capable of operating in a working temperature range of -40℃ to +75℃. It has passed strict functional, high/low temperature, safety and electromagnetic immunity tests, meeting the requirements of different network sites and harsh industrial environments. It can be widely applied in fields such as industrial automation, integrated energy, smart cities, intelligent transportation, and smart factories.

Specification

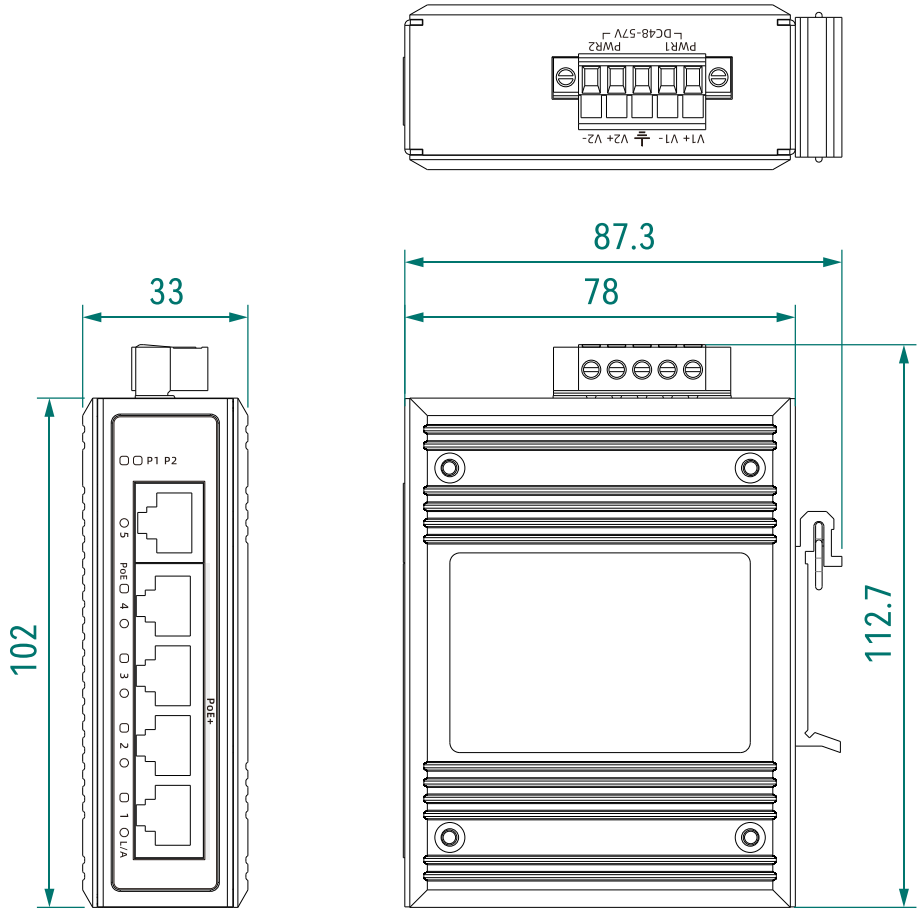
Protocol Standard	
IEEE Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3af/at
Switch Capability	
Switch Method	Store-and-Forward
Backplane Bandwidth	1Gbps
Buffer Size	748Kbit
Jumbo Frame	2048Byte
MAC Table Size	2K
Interface	
100M PoE Copper Port	4*10/100Base-T(X) auto-sensing 100Mbps PoE RJ45 ports, full/half-duplex, MDI/MDI-X adaptive; PoE power supply conforms to IEEE 802.3af/at standard, maximum output power of 30W per port; PoE power supply pins: 1 and 2 are positive, 3 and 6 are negative.
100M Copper Port	1*10/100Base-T(X) auto-sensing 100M RJ45 ports, supporting full/half duplex, auto MDI/MDI-X
Status LED	Power LED, PoE LED, copper connection/ activity LED
Power Supply	
Input Voltage	DC 48-57V, supporting dual power supply redundancy and anti-reverse connection (When a single port PoE needs to handle a 30W load, the power input needs to be above DC 52V)
Power Consumption	≤1.2W at DC 48V (excluding the PoE part), the maximum PoE output power of the entire device is 120W
Connection	5-position 5.08mm pitch lock terminal block
Physical Characteristics	
Dimensions	102×33×78mm (DIN rail mounting clip excluded)

Specification

Installations	Easy installation on 35mm DIN rails
IP Code	IP40
Weight	About 0.29kg
Working Environment	
Operating Temp	-40℃~ +75℃
Storage Temp	-40℃~ +85℃
Relative Humidity	5%~95% (non-condensing)
Industry Standard	
EMC	IEC 61000-4-2 (ESD): Level 3 (Contact discharge ±6kV, Air discharge ±8kV) IEC 61000-4-5 (Surge): Level 2 (Power supply: Common mode ±1kV, Differential mode ±0.5kV; Ethernet: Common mode ±2kV, Differential mode ±1kV) IEC 61000-4-4 (EFT): Level 3 (Power supply: ±2kV; Ethernet: ±2kV)

Installation Dimension

Unit: mm



Ordering Information

Standard Model	100M PoE Copper Port	100M Copper Port	Input Voltage
VT-SW5P-4TPOE	4	1	Dual DC48~57V

Contact Us

Shanghai Valtoris Electronic Technology Co., Ltd.

Address: 1088 Fanghe Road, Minhang District, Shanghai, China (201109)
Mail: sales@valtoris.com
Official site: www.valtoris.com

Copyright © valtoris Technology All rights reserved