

WS1005E-5T-S

5-port 10/100/1000BASE-TX Industrial Ethernet Switch



Slim Type with more Practicability and Convenience

WS1005E-5T-S is a hardened 5-port Industrial Ethernet Switch, providing non-blocking wire-speed performance in a harsh industrial environment. It also provides 5-port 10/100/1000BASE-TX RJ45 copper interfaces delivered in an IP30 rugged, strong case with a redundant power system. Its slim case is suitable for such applications as surveillance system deployments, control management, and wireless service in climatically demanding environments with a wide temperature range from -40 to 75°C.

The WS1005E-5T-S series provides the flexibility to all kinds of 10/100Mbps Ethernet Media on RJ-45 ports and performs highly stable fiber performance.

The WS1005E-5T-S series is packaged in a compact IP40 case with DIN-rail installation. It provides an integrated power supply with a wide range of voltages for worldwide operation. It also offers dual-redundant, reversible polarity 12V DC to 52V DC power supply inputs for high availability applications requiring dual or backup power inputs.

Interface

- 5-port 10/100/1000Base-Tx RJ-45 with auto negotiation and auto-MDI/MDI-X function

Industrial conformance

- 12V to 52V DC, redundant power input
- -40°C to 75°C operating temperature
- IP40 steel alloy
- DIN-rail hardware design

Specifications:

Model No.	WS1005E-5T-S
10/100/1000BASE-TX Port	5 port RJ-45 auto-MDI / MDI-X
Performance Specification	Bandwidth: 14Gbps Packet Buffer Memory:1.2Mbit Packet Forwarding Rate:10.5Mpps MAC Address Table: 2K
Installation	DIN rail
Flow Control	Back pressure for half duplex, IEEE 802.3x pause frame for full duplex
Enclosure	Steel alloy
LED Indicator	Power: Red Ethernet: Yellow POE: Green
Power Input	12 to 52V DC redundant power
Power Consumption	3 watts max
Network Protocols	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u;100Base-TX/FX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x;
Network cables	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100meter) 1000BASE-TX: Cat6 or later UTP(≤100 meter)
Industry Standard	FCC CFR47 Part 15,EN55022/CISPR22, Class A IEC61000-4-2 (ESD): ±6kV (contact), ±8kV (air) IEC61000-4-3 (RS): 10V/m (80~1000MHz) IEC61000-4-4 (EFT): Power Port: ±2kV; Data Port: ±1kV

	IEC61000-4-5 (Surge): Power Port: $\pm 1\text{kV}/\text{DM}$, $\pm 2\text{kV}/\text{CM}$; Data Port: $\pm 1\text{kV}$ IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz) IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)
Certification	CE FCC Rohs compliance
Dimensions (W x D x H)	118 x 86 x 33.5 mm
Weight	Product Weight: 0.36KG Packing Weight: 0.46KG
Working Environment	Working temperature: $-40-75^{\circ}\text{C}$ Storage temperature: $-40-75^{\circ}\text{C}$ Relative Humidity: 5%~95 % (no condensation)

Ordering Information

WS1005E-5T-S	4-Port RJ45 +1Port RJ-45 uplink Gigabit Industrial Switch
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-Industrial IoT product and digital solution provider-

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