

WS1010E-2G8T-S

8-port 10/100/1000Mbps RJ45+2G SFP Industrial Ethernet Switch



WS1010E-2G8T-S is a hardened 10-port Industrial Ethernet Switch, providing non-blocking wire-speed performance in harsh industrial environments. It also provides 8-port 10/100/1000BASE-TX RJ45 +2-port 1000Base-Fx delivered in an IP40 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°C to 75°C.

The WS1010E-2G8T-S series provides the flexibility to all kinds of 10/100Mbps Ethernet Media on RJ-45 port and performs highly stable fiber performance.

The WS1010E-2G8T-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

- 8-port 10/100/1000Base-Tx RJ-45 with auto negotiation and auto-MDI/MDI-X function
- 2-port 1000Base-Fx interface SC/FC/ST/SFP
- Multi-Mode up to 2km
- Single-Mode up to 20km/40km/60km/80km

Industrial conformance

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

Specifications:

ROBOT

Model No.	WS1010E-2G8T-SC2-S / WS1010E-2G8T-SC20-S / WS1010E-2G8T-S
10/100/1000Base-TX Port	8 port RJ-45 auto-MDI / MDI-X
1000Base-FX Port	WS1010E-2G8T-SC2-S: 2 SC interface WS1010E-2G8T-SC20-S: 2 SC Interface WS1010E-2G8T-S: 2 SFP Slot
Fiber Port Type	WS1010E-2G8T-SC2-S: SC / multi-mode ,up to distance 2km ; WS1010E-2G8T-SC20-S: SC / single-mode ,up to distance 20km ; WS1010E-2G8T-S: Vary on module
Optical Frequency	WS1010E-2G8T-SC2-S: 1310nm WS1010E-2G8T-SC20-S: 1310nm WS1010E-2G8T-S: Vary on module
Performance Specification	Bandwidth: 20Gbps Packet Buffer Memory:2Mbit Packet Forwarding Rate:15Mpps MAC Address Table: 8K
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 Fiber: Link 2(Green) Ethernet: Yellow
Power Input	12 to 52V DC redundant power
Power Consumption	< 10 watts
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: ±1kV/DM, ±2kV/CM; Data Port: ±1kV 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)	142.5 x 103.5 x 47.5mm
Weight	Product Weight: 0.56KG Packing Weight: 0.66KG
Working Environment	Working temperature: -40~75℃ ; Storage temperature: -40~75℃ Relative Humidity: 5%~95 %(no condensation)

Ordering Information

WS1010E-2G8T-S	8-Port RJ45+2Port SFP (Interface optional) , Industrial Switch, 1000Mbps
WS1010E-2G8T-SC2-S	8-Port RJ45+2Port SC (Interface optional) , multi-mode ,up to distance 2km, Industrial Switch, 1000Mbps
WS1010E-2G8T-ST2-S	8-Port RJ45+2Port ST (Interface optional) , multi-mode ,up to distance 2km, Industrial Switch, 1000Mbps
WS1010E-2G8T-FC2-S	8-Port RJ45+2Port FC (Interface optional) , multi-mode ,up to distance 2km, Industrial Switch, 1000Mbps
WS1010E-2G8T-SC20-S	8-Port RJ45+2Port SC (Interface optional) , single-mode ,up to distance 20km, Industrial Switch, 1000Mbps
WS1010E-2G8T-ST20-S	8-Port RJ45+2Port ST (Interface optional) , single-mode ,up to distance 20km, Industrial Switch, 1000Mbps
WS1010E-2G8T-FC20-S	8-Port RJ45+2Port FC (Interface optional) , single-mode ,up to distance 20km, Industrial Switch, 1000Mbps



-Industrial IoT product and digital solution provider-

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