

# WS1016E-16T-A

## 16-port 10/100BASE-TX Industrial Ethernet Switch



### Slim Type with more Practicability and Convenience

WS1016E-16T-A an hardened 8-port Industrial Ethernet Switch, provides non-blocking wire-speed performance in harsh industrial environment. It also provides 16-port 10/100/1000BASE-TX RJ45 copper interfaces delivered in an IP40 rugged, strong case with 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 wide temperature range from -40°C to 75°C.

The WS1016E-16T-A series provides the flexibility to all kinds of 10/100Mbps Ethernet Media on RJ-45 port and performs highly stable fiber performance.

The WS1016E-16T-A series is packaged in a compact IP40 case that allows either DIN rail or panel mounting to have efficient usage of cabinet space. 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

- 16-port 10/100Base-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 aluminum housing
- DIN-rail hardware design

**Specifications:**

Model No.	<b>WS1016E-16T-A</b>
10/100/1000BASE-TX Port	16 port RJ-45 auto-MDI / MDI-X
Performance Specification	Bandwidth: 56Gbps Packet Buffer Memory:12Mbit Packet Forwarding Rate: 42Mpps
Installation	DIN rail
Flow Control	Back pressure for half duplex, IEEE 802.3x pause frame for full duplex
Enclosure	aluminum housing
LED Indicator	Power: Red Ethernet: Yellow
Power Input	12 to 52V DC redundant power
Power Consumption	10 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(≤10meter) 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)	142.5x 103.5x 47.5mm
Weight	Product Weight: 1.25KG Packing Weight:1.4KG
Working Environment	Working temperature: -40-75°C Storage temperature: -40-75°C Relative Humidity: 5%~95 %( no condensation)

## Ordering Information

<b>WS1016E-16T-A</b>	16-Port RJ45 Industrial Switch,1000Mbps,IP40 aluminum housing
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