Unmanaged Industrial Ethernet Switch
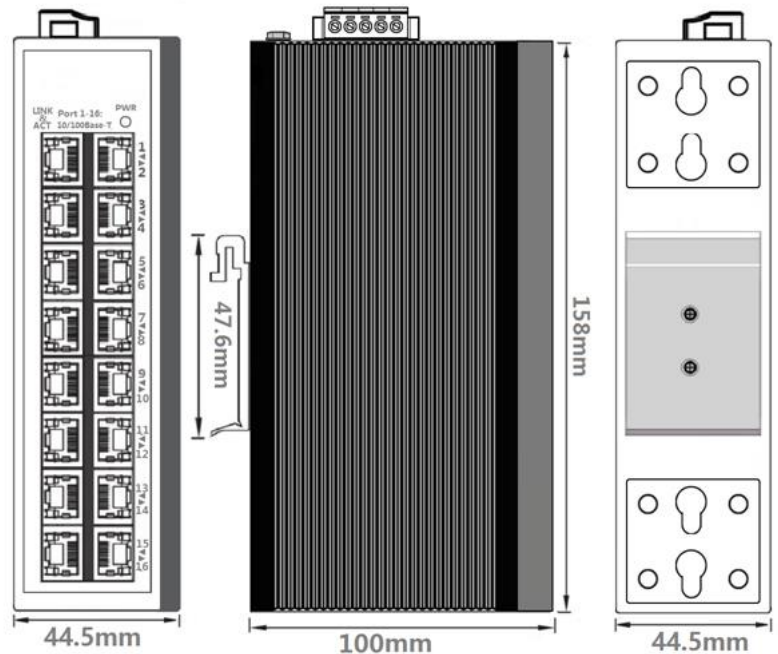
P/N : ITT-ISW-16G

The ITT-ISW-16G provides 16 electrical Fast Ethernet ports. All models are with IP40 protection class and meet EMC industrial level 4 requirements. It provides 12-36 VDC wide voltage range power inputs, DIN rail mounting, wide operating temperature range of -40 to the +85°C. In addition to its compact size for space-saving installation, each product has passed a 100% burn-in at the 85°C to ensure quality.

All of these features make the product ideal for applications that require high-reliability transmission , such as video surveillance, tolling systems, ITS, and factory automation.

- 12-36VDC wide voltage range power inputs
- As low as 4 watts load power consumption
- -40 to 85°C operating temperature range
- IP40 protection class with metal housing
- Fanless design
- Level 4 EMC Protection

47.6mm

158mm

44.5mm

100mm

44.5mm

LINK Port 1-16: PWR
ACT 10/100Base-T

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Standards	IEEE 802.3 10Base-T IEEE 802.3u 100Base-Tx
Certifications	CCC, CE, FCC, RoHS
Switch Properties	➢ MAC Table: 1K ➢ Packet Buffer:1.3M ➢ Packet Forwarding Rate: 2.38Mpps ➢ Switching Delay: <5us
Interface	➢ Electrical Ports: 16 10/100Base-Tx (RJ45)
LED indicator	➢ Power LED: PWR ➢ Interface LED: RJ45(Link&ACT)
MTBF	360,000 hrs
Power	➢ Power Terminal: 5-pin 3.81mm-spacing plug-in terminal block ➢ Power input: 12-36V DC ➢ Full load power consumption: <4W ➢ Overload Protection: Support ➢ Reverse Connection Protection: Support Redundancy Protection: Support
Physical Characteristics	➢ Housing: Metal, fanless ➢ Protection Class: IP40 ➢ Dimensions: 44.5mm x 100mm x 158mm (W×H×D) ➢ Weight: 0.75kg ➢ Mounting: DIN-Rail or Panel mounting
Environmental Limits	➢ Operating Temperature: -30 to 75°C ➢ Storage Temperature: -45 to 85°C ➢ Ambient Relative Humidity: 5 to 95% (non-condensing)

SERVICES:
Guaranteed Warranty

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| Industrial Standard	➢ EMI:
	➢ FCC CFR47 Part 15, EN55022/CISPR22, Class A
	➢ EMS:
	➢ IEC61000-4-2 (ESD): ±8kV (contact), ±15kV (air)
	➢ IEC61000-4-3 (RS): 10V/m (80MHz-2GHz)
	➢ IEC61000-4-4 (EFT): Power Port: ±4kV; Data Port: ±2kV
	➢ IEC61000-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±2kV
	➢ IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz)
	➢ IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)
	➢ Machinery:
	➢ IEC60068-2-6 (Vibration)
	➢ IEC60068-2-27 (Shock)
	➢ IEC60068-2-32 (Free Fall)

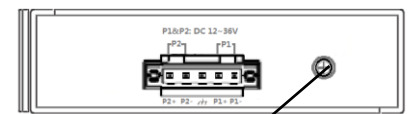| Product model	ITT-ISW-16G
Product descriptions	16*10/100Base-TX Unmanaged Industrial Ethernet Switch Din-Rail and Wall mounted installation 12-36VDC power input.

Power Terminal
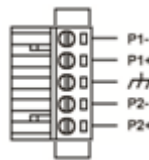
- 5-pin 3.81mm-spacing plug-in terminal
- 12V-36VDC wide voltage input
- P1&P2 dual power input
- Reverse protection
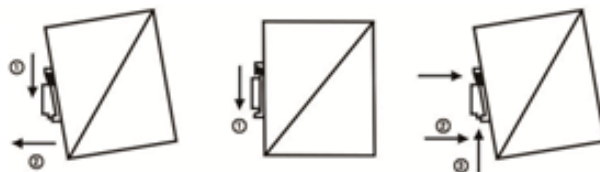
Earth Protection

Ground terminal or screw

Din-Rail

Wall mounting