Unmanaged Industrial Ethernet Switch
6ETH 2 Fiber Optical

P/N : ITT-SW3937

The ITT-SW3937 provides 6 electrical Fast Ethernet ports and 2 optical Fast Ethernet port. 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 test in 85°C to ensure its 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 3 watts load power consumption
- -40 to 85°C operating temperature range
- IP40 protection class with metal housing
- Fanless design
- Level 4 EMC Protection

P F1 F2

F2   Tx
       Rx

F1   Tx
       Rx

6 5
4 3
2 1

128

47.6

100

45

45
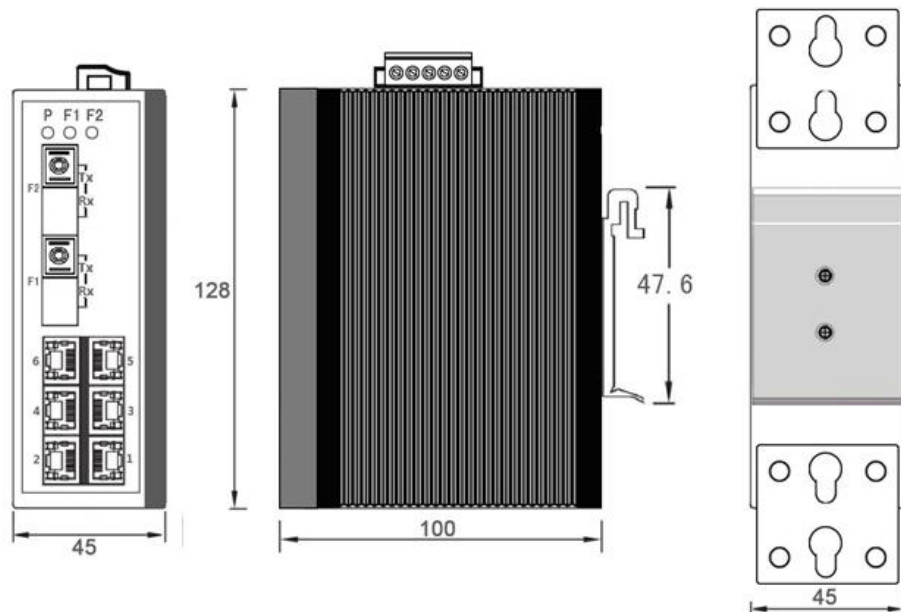
SERVICES:
Guaranteed Warranty

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Standards	IEEE 802.3 10Base-T IEEE 802.3u 100Base-Tx 100Base-Fx
Certifications	CCC, CE, FCC, RoHS
Switch Properties	➢ MAC Table: 1K ➢ Packet Buffer: 448K ➢ Packet Forwarding Rate: 1.1904Mpps ➢ Switching Delay: <5us
Interface	➢ Optical Ports: 2 100Base-Fx (FC/SC/ST optional) ➢ Electrical Ports: 6 10/100Base-Tx (RJ45)
LED indicator	➢ Power LED: PWR ➢ Interface LED: RJ45(Link&ACT) , ➢ Interface LED: Fiber(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: <3W ➢ Overload Protection: Support ➢ Reverse Connection Protection: Support Redundancy Protection: Support
Physical Characteristics	➢ Housing: Metal, fanless ➢ Protection Class: IP40 ➢ Dimensions: 45mm x 100mm x 100mm (W×H×D) ➢ Weight: 0.55kg ➢ 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)

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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)

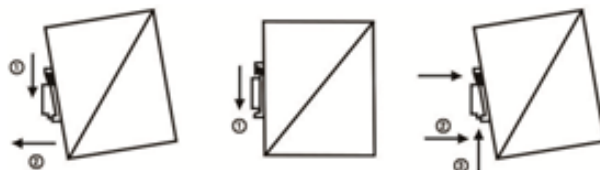|	
Product model	ITT-SW3937
Product descriptions	6*10/100Base-TX+2*100Base-FX, Unmanaged Industrial Ethernet Switch, Din-Rail and Wall mounted installation, 12-36VDC power input

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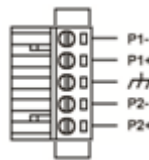
- 5-pin 3.81mm-spacing plug-in terminal
- 12V-36VDC wide voltage input
- P1&P2 dual power input
- Reverse protection

Earth Protection
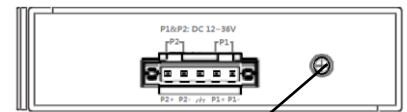
Ground terminal or screw

Din-Rail

Wall mounting