RP-ISF080

8-P 10/100TX Industrial Ethernet Switch

The RP-ISF080 is a 8-port 10/100TX Industrial Switch, it is a cost-effective solution and meets the high reliability requirements demanded by industrial applications, such as factory assembly line, automation, transportation and heavy Industrial factory.

The switch comes with wide range of voltages (12 to 48VDC) power supply source, which secure equipment against unregulated voltage and make systems safer and more reliable.

The switch with IP-30 standard compact metal case allows either DIN rail or wall mounting for efficient use of cabinet space.

Feature

- RJ-45 port support Auto MDI/MDI-X Function
- Store-and-Forward Switching Architecture
- Back-plane (Switching Fabric): 1Gbps
- 448Kbits Memory Buffer
- 2K MAC Address Table
- Support Wide Operating Temperature
- Power Polarity Reverse Protect
- Overload Current Re-settable Fuse Present
- Provides broadcast storm protection
- IP-30 Protection
- DIN Rail and Wall Mount Design
- Provides EFT protection 3000 VDC for power line
- Supports 4000 VDC Ethernet ESD protection

Specification

Standards	• IEEE 802.3 10Base-T Ethernet • IEEE 802.3u 100Base-TX Fast Ethernet • IEEE 802.3x Flow Control and Back Pressure
Switch Architecture	• Back-plane (Switching Fabric): 1Gbps • Packet throughput ability (Full-Duplex): 1.49pps @64bytes
Transfer Rate	• 14,880pps for Ethernet port • 148,800pps for Fast Ethernet port
Memory Buffer	• 448Kbits
Mac Address	• 2K MAC
Interface	• 10/100TX: 8 *RJ-45 with auto MDI/MDI-X function
Network Cable	• 10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) • 100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)
Protocol	• CSMA/CD
LED Indicators	• Per unit: Power 1 (Green), Power 2 (Green), Fault (Red) • Per port: Link/Active (Green), Full duplex/Collision (Yellow)
Reserve polarity protection	• Present
Overload current protection	• Present
Case	• Metal case. IP-30
Installation	• DIN Rail and Wall Mount Design
Power Consumption	• 3.84W
Power Supply	• DC 12~48V, Redundant power with polarity reverse protect function and removable terminal
Environment	• Operating temperature : Standard: -10℃~60℃; • Operating Humidity: 5% to 95% (Non-Condensing)
Dimension	• 30 * 95 * 140mm
EMI	• FCC Class A, CE EN61000-4-2 (ESD), CE EN61000-4-3 (RS), CE EN-61000-4-4 (EFT), • CE EN61000-4-5 (Surge), CE EN61000-4-6 (CS), CE EN61000-4-8, CE EN61000-6-2, CE EN61000-6-4
Safety	• UL, cUL, CE/EN60950-1, Class I, Division 2, Groups A, B, C, Hazardous Locations
Stability Testing	• IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)
Environmental Testing	• IEC60068-2-3, IEC60068-2-30, IEC60068-2-31

Ordering information

RP-ISF080   8 10/100TX Industrial Ethernet Switch