RP-ISF800

8-P 10/100TX Industrial Ethernet Switch

RP-ISF800 is an 8-port 10/100TX Industrial Switch; it is a cost-efficient solution and meets the high reliability requirements demanded by industrial applications, such as factory assembly line, automation, IP surveillance, traffic monitoring and for a broad range of applications. It can be used as a stand-alone device for buses, trucks, and other vehicles for Surveillance purposes. RP-ISF800 is well suited for applications in deploying Security, Transportation and Telco application in climatically demanding environments with operating temperature range -40°C~75°C

RP-ISF800 comes with wide range of voltages power supply source, which secures equipment against unregulated voltage (12 to 56VDC) and makes systems safer and more reliable.

RP-ISF800 equips with IP-30 standard compact metal case allows for either DIN rail or wall mounting for efficient use of cabinet space.
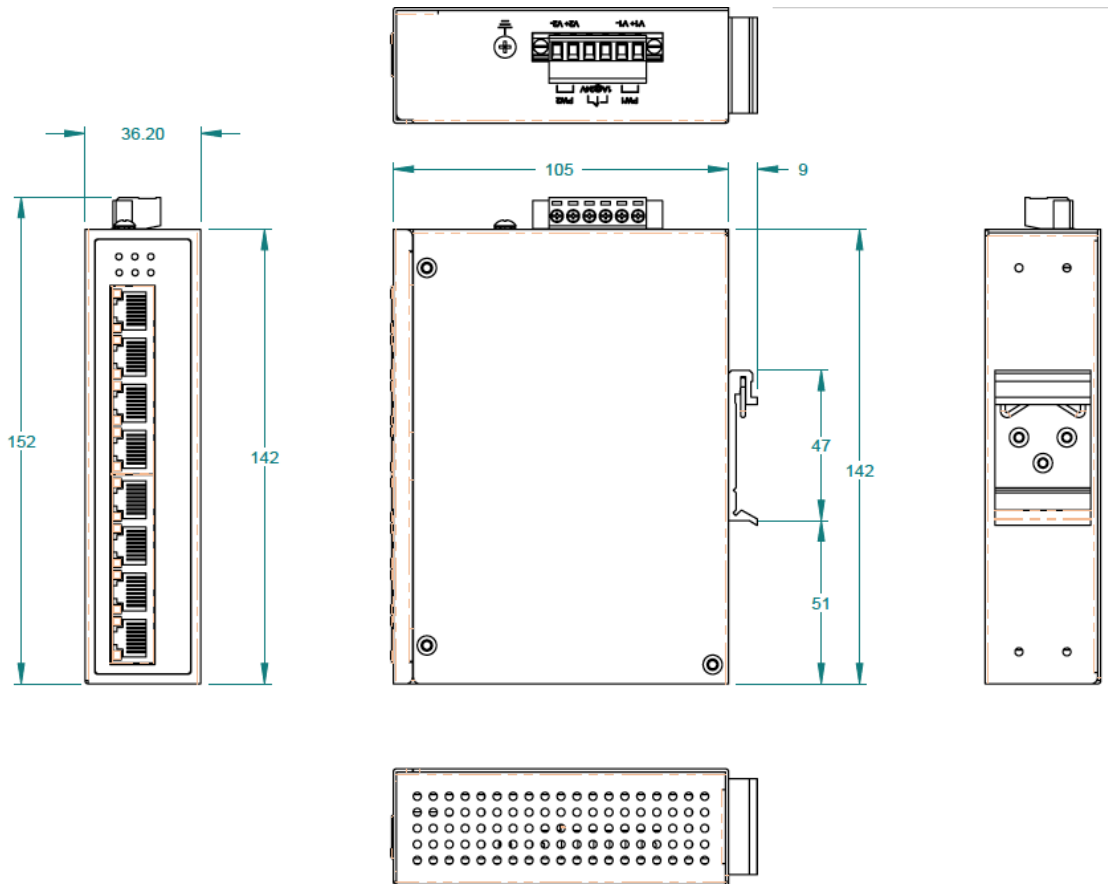
Features

- RJ-45 port support Auto MDI/MDI-X Function
- Store-and-Forward Switching Architecture
- Back-plane (Switching Fabric): 1.6Gbps
- 1M Memory Buffer
- 1K MAC Address Table
- Power Polarity Reverse Protect
- Overload Current Re-settable Fuse Present
- IP-30 Protection
- DIN Rail and Wall Mount Design
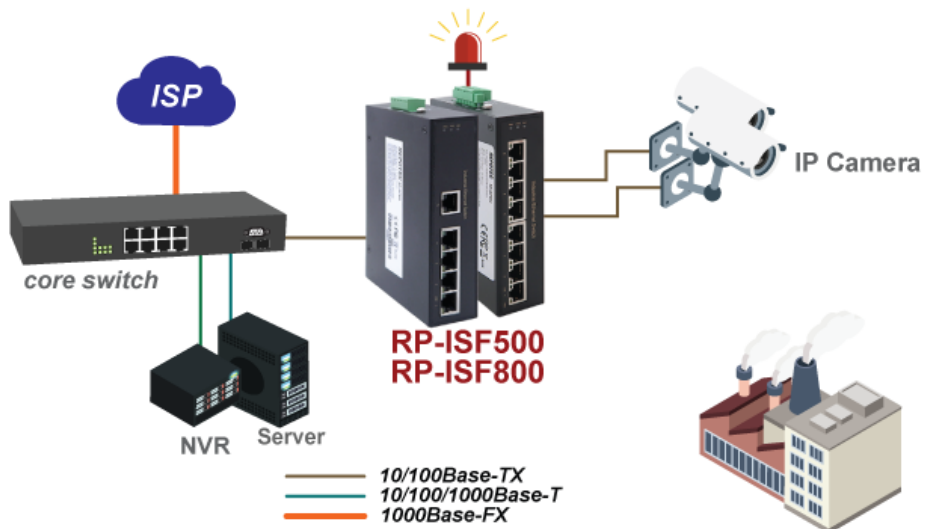- Support Wide Operating Temperature -40°C~75°C

Specifications

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): 1.6Gbps
Transfer Rate	• 14,880pps for Ethernet port • 148,800pps for Fast Ethernet port
Memory Buffer	• 1M
Mac Address	• 1K MAC
Interface	• 10/100TX: 8 *RJ-45 with auto negotiation, Auto MDI/MDI-X function, Full/Half duplex
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), SW-relay (Amber) • Per port: Link/Active (Green)
Reverse polarity protection	• Present
Overload current protection	• Present
Power Consumption	• 3W @48 VDC full load
Power Supply	• Redundant Dual DC 12V-56V Power Input
Alarm Relay Contact	• Relay outputs with current carrying capacity of 1 A @24VDC • Relay in open circuit mode when 2 powers are connected. in short circuit mode when only one power supply is connected
Removable Terminal Block	• Provide 2 Redundant power , Alarm relay contact ,6 Pin • Wire range: 0.34mm^2 to 2.5mm^2 • Solid wire (AWG):12-24/14-22 • Stranded wire(AWG): 12-24/14-22 • Torque:5lb-In/0.5Nm/0.56Nm • Wire Strip length: 7-8mm
Environment	• Operating temperature : -40°C~75°C • Storage temperature: -40°C ~85°C • Operating Humidity: 5% to 95% (Non-Condensing)
Dimension	• 142 x 36.2 x 105mm (LxWxD)
Case	• Rugged Metal ,IP30 Protection
Installation	• DIN Rail and Wall Mount Design
EMC/EMS	• CE, FCC
EMI	• FCC Part 15 Subpart B Class A, CE EN 55022 Class A
Safety	• IEC EN60950-1
Stability Testing	• IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)

Dimension

Application

RP-ISF500
RP-ISF800

- ▬▬ 10/100Base-TX
- ▬▬ 10/100/1000Base-T
- ▬▬ 1000Base-FX

Ordering information

RP-ISF800   8 10/100TX Industrial Ethernet Switch