

RP-ISF082G

8-Port 10/100TX + 2-P 1000T/SFP Industrial Ethernet Switch

RP-ISF082G equips 8-port 10/100TX and 2-port 1000T/SFP . The switch is capable of handling wide voltage ranges from 12V to 48V DC, safeguarding the connected equipment against unregulated voltage fluctuations. This feature significantly enhances system safety and reliability.

RP-ISF082G features a compact metal case with IP-30 protection, complying with industry standards for ruggedness and durability. It supports both DIN rail and wall mounting, allowing efficient use of cabinet space and providing flexibility in installation.

RP-ISF082G is a reliable and cost-efficient industrial Ethernet switch designed for various industrial applications, including factory assembly lines, automation systems, transportation, and heavy industrial factories. It meets the requirements of industrial applications, ensuring stable and uninterrupted operation



Features

- RJ-45 port support Auto MDI/MDI-X Function
- SFP(Mini-GBIC) supports 100/1000 Dual Mode
- Store-and-Forward Switching Architecture
- Back-plane (Switching Fabric): 5.6Gbps
- 1Mbits Packet Buffer
- 8K MAC Address Table
- Support Wide Operating Temperature
- Power Polarity Reverse Protect
- Overload Current Re-settable Fuse Present
- IP-30 Protection
- DIN Rail and Wall Mount Design
- Provides EFT protection 3000 VDC for power line
- Supports 6000 VDC Ethernet ESD protection

Specifications

Standards	<ul style="list-style-type: none"> • IEEE 802.3 10Base-T Ethernet • IEEE 802.3u 100Base-TX Fast Ethernet • IEEE 802.3ab 1000Base-T • IEEE802.3z Gigabit fiber • IEEE 802.3x Flow Control and Back Pressure
Switch Architecture	<ul style="list-style-type: none"> • Back-plane (Switching Fabric): 5.6Gbps • Packet throughput ability (Full-Duplex): 8.3pps @64bytes
Transfer Rate	<ul style="list-style-type: none"> • 14,880pps for Ethernet port • 148,800pps for Fast Ethernet port • 1,488,000pps for Gigabit Fiber Ethernet port
Buffer Memory	<ul style="list-style-type: none"> • 1Mbits
Mac Address	<ul style="list-style-type: none"> • 8K MAC
Interface	<ul style="list-style-type: none"> • 10/100TX: 8 x RJ-45 • 10/100/1000T/ SFP Combo: 2 x RJ-45 + 2 x 100/1000 SFP sockets
Network Cable	<ul style="list-style-type: none"> • 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/ 5E cable EIA/TIA-568 100-ohm (100m)
Optical Cable	<ul style="list-style-type: none"> • Multi-mode: 50/125um~62.5/125um • Single-mode: 9/125um
Protocol	<ul style="list-style-type: none"> • CSMA/CD
LED Indicators	<ul style="list-style-type: none"> • Per unit: Power 1 (Green), Power 2 (Green), Fault (Red) • 8 10/100TX : Link/Activity (Green), Full duplex/Collision (Yellow) • Giga port: Link/Activity (Green)
Reverse polarity protection	<ul style="list-style-type: none"> • Present
Overload current protection	<ul style="list-style-type: none"> • Present
Case	<ul style="list-style-type: none"> • Metal case. IP-30
Installation	<ul style="list-style-type: none"> • DIN Rail and Wall Mount Design
Power Consumption	<ul style="list-style-type: none"> • 5.76W@48 VDC full load, Without PoE
Power Supply	<ul style="list-style-type: none"> • DC 12~48V, Redundant power with polarity reverse protect function and removable terminal block
Environment	<ul style="list-style-type: none"> • Operating temperature : Standard: -10°C~60°C; • Operating Humidity: 5% to 95% (Non-Condensing)
Dimension	<ul style="list-style-type: none"> • 72 * 105 * 152mm
Certification	<ul style="list-style-type: none"> • FCC, CE

Ordering information

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