

RPT-1010G-2XF-X4 | 10 Port Industrial Gigabit Switch with 10G Uplink



FEATURE HIGHLIGHTS

- 8-port 10/100/1000 Tx Gigabit Ethernet
- 2-port 10GbE SFP+ slots
- Redundant Power Input Design
- Built-in Relay Output Warning for Power Failure
- IP30 Rugged Metal Case Design
- DIN-Rail Mounting, Wall Mounting
- Operating Temperature -40°C ~ 65°C

DESCRIPTION

RPT-1010G-2XF-X4 provides 8 10/100/1000 TX Gigabit Ethernet RJ-45 ports and 2 10GbE SFP+ slots for your industrial applications. RPT-1010G-2XF-X4 also supports redundant power inputs that can be connected simultaneously and back up for power feeding to the switch.

RPT-1010G-2XF-X4 is certified CE/FCC and UL61010. For performing in extreme harsh environment, standard operating temperature is -40 to 65 degree.

RPT-1010G-2XF-X4 also has PoE version as RPT-1010GP-2XF-X4 that support 30Watts per port and compliant to IEEE802.3af/at.

For SFP modules, you can choose from Sbjlink SFP selection guide with different distances. Please check <https://www.sbjlink.com/index.php>

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SPECIFICATIONS

Technology

| | |
|-----------------|--|
| Standards | IEEE 802.3 10Base-T Ethernet |
| | IEEE 802.3u 100Base-TX Fast Ethernet |
| | IEEE 802.3ab 1000Base TX Gigabit Ethernet |
| | IEEE 802.3z 1000Base-X Gigabit Fiber |
| | IEEE 802.3ae 10Gigabit Ethernet |
| Processing Type | Store and Forward |
| Protocol | CSMA/CD |
| Flow Control | IEEE 802.3x flow control, back pressure flow control |

Switch Properties

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|-------------------------------|--|
| Switching Fabric (Back-Plane) | 56Gbps |
| Memory Buffer | 8Mbits |
| MAC Table Size | 16K |
| Jumbo Frame | 9.6Kbytes |
| Transfer Rate | 14,880pps for Ethernet port |
| | 148,800pps for Fast Ethernet port |
| | 1,488,000pps for Gigabit Ethernet port |
| | 14,880,000pps for 10 Gigabit Ethernet port |

Interface

| | |
|----------------|--|
| RJ45 Ports | 8*10/100/1000 Base-T(X) Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X |
| Fiber Port | 2*10GbE SFP+ slots |
| Wavelength | Depends on SFP modules |
| LED Indicators | System: Power 1, Power 2, Fault |
| | Ethernet ports: On-Link/Flash-data transmitting |
| | SFP: Link/Active |
| Relay Contact | 24 VDC, 1A resistive |
| 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) |
| | 1000Base-TX: 4-pair UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m) |

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Power Requirements

| | |
|-----------------------------|--------------------------------------|
| Input Voltage | Dual 12-48VDC redundant power inputs |
| Power Connection | 1 removable 6-contact terminal block |
| Overload Current Protection | Present (Slow-Blow Fuse) |
| Reverse Polarity Protection | Present |
| System Power Consumption | Max. 10.2W full loading |

Mechanical Characteristics

| | |
|------------------------|--|
| Housing | Metal, IP30 protection |
| Dimensions (W x H x D) | 54 x 142 x 99 mm (2.1 x 5.6 x 3.9 inch) |
| Weight | Unit weight: 1.06kg, Shipping weight: 1.34kg |
| Mounting | DIN-Rail Mounting, Wall Mounting |

Environmental Limits

| | |
|---------------------------|---------------------------------------|
| Operating Temperature | Standard: -40°C ~ 65°C (40°F ~ 149°F) |
| Storage Temperature | -40°C ~ 85°C (-40°F ~ 185°F) |
| Ambient Relative Humidity | 5 to 95%, (non-condensing) |

Regulatory Approvals

| | |
|--|---|
| EMI | FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A |
| EMS | CE EN55035/EN61000-6-2 Class A |
| | IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), |
| | IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field) |
| Free Fall | IEC60068-2-32 |
| Shock | IEC60068-2-27 |
| Vibration | IEC60068-2-6 |
| Green | RoHS Compliant |
| MTBF (Telcordia SR-332, Issue 3, GB, 25°C) | 736,704 hrs. |

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ORDERING INFORMATION

| Model name | Description |
|------------------|--|
| RPT-1010G-2XF-X4 | 8 Port 10/100/1000 TX + 2 10GbE SFP+ slots, 12-48VDC, -40~65°C |

DIMENSIONS

Unit: mm

