



RP-ISG602F

6-P Gigabit +2-SFP(100/1G) slot slim type Industrial Switch

RP-ISG602F is a slim type industrial switch designed for industrial networking applications. It offers a comprehensive solution with its 6-P Gigabit Ethernet ports and 2 SFP(100/1G) slots, providing versatility for connecting various Ethernet devices such as Ethernet I/O, IP cameras, and other Ethernet switches. The switch ensures a plug-and-play experience, making it easy to set up standard industrial setups.

RP-ISG602F supports wide power input voltage range of +12 ~ +56Vdc. This flexibility in power input protects the equipment against unregulated voltage, enhancing the safety and reliability of the system. Whether dealing with fluctuating power sources or different power requirements, the RP-ISG602F is designed to accommodate these variations and provide a stable power supply.

RP-ISG602F equips a compact IP-30 standard metal case, allowing for easy installation on a DIN rail or wall mounting. Its sturdy design enables it to withstand harsh industrial environments, making it suitable for deployment in rugged conditions.

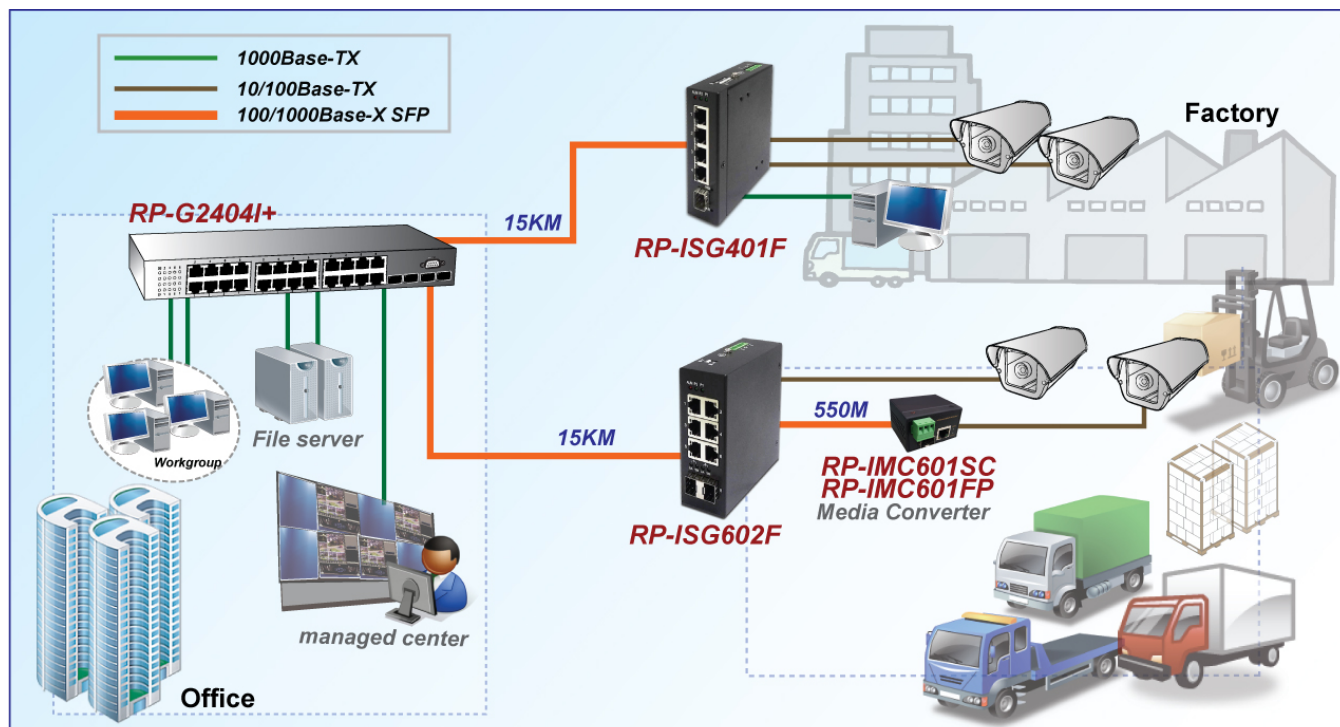
Features

- RJ-45 port support Auto MDI/MDI-X Function
- Store-and-Forward Switching Architecture
- Back-plane (Switching Fabric): 10Gbps
- IEEE 802.3x flow control & back-pressure
- 9K Jumbo frames
- 8K MAC forwarding addresses
- L2 wire-speed switching engine
- Queues per port: 4
- Support 802.1p & TOS/DS QoS
- Support Multicast/Broadcast/Flooding Storm Control
- Wide-range Redundant Power design 12~56 VDC, removable terminal block for two power input
- Reverse power protection
- Hardware DIP-switch to enable/disable warning function
- IP-30 metal case protection
- DIN rail and wall mount design

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 Gigabit Ethernet• IEEE 802.3z 1000Base-X Gigabit Ethernet• IEEE802.3x Flow Control and Back Pressure
Switch Architecture	<ul style="list-style-type: none">• Back-plane (Switching Fabric): 16Gbps
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
Data Processing	<ul style="list-style-type: none">• Store and Forward
Flow Control	<ul style="list-style-type: none">• IEEE 802.3x Flow Control and Back Pressure
Jumbo Frame	<ul style="list-style-type: none">• 9K Bytes
MAC Table Size	<ul style="list-style-type: none">• 8K
Network Connector	<ul style="list-style-type: none">• RJ-45 Port: 10/100/1000BaseT(X) auto negotiation, Auto MDI/MDI-X function, Full/Half duplex• SFP Port: 100/1000BaseSFP slot (RP-ISG401F)
Network Cable	<ul style="list-style-type: none">• UTP/STP above Cat.5e Cable, EIA/TIA-568 100-ohm (100m)
Protocol	<ul style="list-style-type: none">• CSMA/CD
Flow control	<ul style="list-style-type: none">• IEEE 802.3x (Full Duplex) and Back-Pressure (Half Duplex)
QoS	<ul style="list-style-type: none">• IEEE 802.1p
Number of queues	<ul style="list-style-type: none">• 4
Traffic Shaper	<ul style="list-style-type: none">• Port-based Port shaping
Storm Control	<ul style="list-style-type: none">• Multicast/Broadcast/Flooding Storm Control per system basis enable/disable
LED indicators	<ul style="list-style-type: none">• Power, Alarm (on system), Link&Speed (on RJ45)
Power Consumption	<ul style="list-style-type: none">• 8.5W@48VDC full load
Power Supply	<ul style="list-style-type: none">• Redundant Input Terminals 12-56 VDC
Operating Temperature	<ul style="list-style-type: none">• -40 to +75°C (cold startup at -40°C)
Storage Temperature	<ul style="list-style-type: none">• -40 to +85 °C
Operating Humidity	<ul style="list-style-type: none">• 5% to 95% (Non-condensing)
Case	<ul style="list-style-type: none">• Rugged Metal, IP30 Protection
Dimension	<ul style="list-style-type: none">• 117.82(H) x39(W) x 96.9(D) (without DIN rail clip)
Installation mounting	<ul style="list-style-type: none">• DIN Rail mounting and Wall Mounting
Certification	<ul style="list-style-type: none">• CE/FCC
EMI	<ul style="list-style-type: none">• FCC Part 15, CISPR 22 (EN55022) Class A IEC61000-4-2, -3, -4, -5, -6 (Level 3)

Application



Ordering information

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