RP-ISG401F

5-P slim type Gigabit Industrial Switch

RP-ISG401F provides 5 Gigabit Ethernet ports which are designed for supporting standard industrial applications without complex setup to make the network truly plug-and-play. It can be used to connect several Ethernet devices like Ethernet I/O, IP-Camera or other Ethernet switches. In addition, it provides wild power input voltage range +12 ~ + 58Vdc for application flexibility which secures equipment against unregulated voltage and makes systems safer and more reliable.

With the 5 10/100/1000Mbps Gigabit Ethernet ports, RP-ISG401F provides non-blocking switch fabric and wire-speed throughput as high as 10Gbps, RP-ISG401F performs wire-speed packets transfer without risk of packet loss.

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

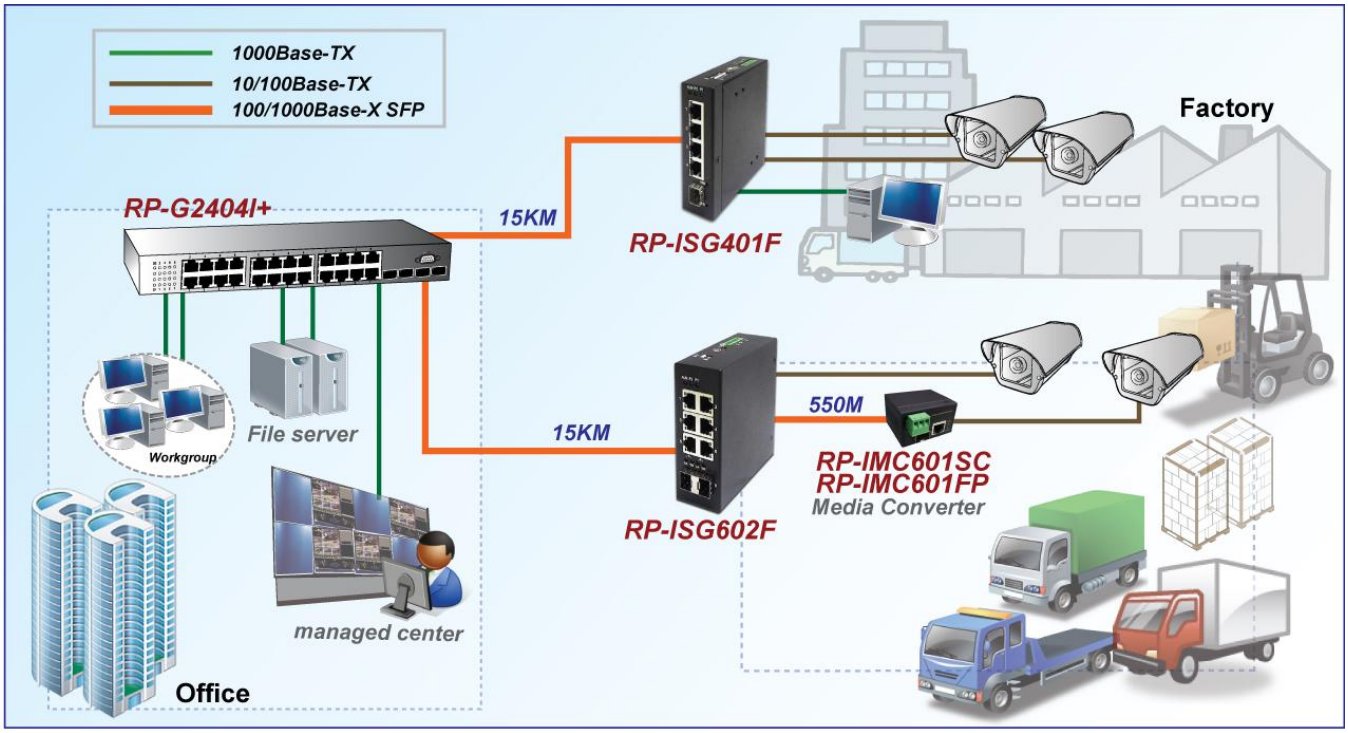
Feature

- RJ-45 port support Auto MDI/MDI-X Function
- Store-and-Forward Switching Architecture
- Back-plane (Switching Fabric): 10Gbps
- IEEE 802.3x flow control & back-pressure
- 9K Jumbo frames
- 2K 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 12~58 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

Specification

Standards	• 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	• Back-plane (Switching Fabric): 10Gbps
Transfer Rate	• 14,880pps for Ethernet port • 148,800pps for Fast Ethernet port • 1,488,000pps for Gigabit Fiber Ethernet port
Data Processing	• Store and Forward
Flow Control	• IEEE 802.3x Flow Control and Back Pressure
Jumbo Frame	• 9K Bytes
MAC Table Size	• 2K
Network Connector	• 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	• UTP/STP above Cat.5e Cable, EIA/TIA-568 100-ohm (100m)
Protocol	• CSMA/CD
Flow control	• IEEE 802.3x (Full Duplex) and Back-Pressure (Half Duplex)
QoS	• IEEE 802.1p
Number of queues	• 4
Traffic Shaper	• Port-based Port shaping
Storm Control	• Multicast/Broadcast/Flooding Storm Control per system basis enable/disable
Dip switch	• Dip 1: On/Off - Power alarm • Dip 2: On/Off - Broadcast storm rate limit • Dip 3~6: Not used
LED indicators	• P1(Green), P2(Green), Alarm (Red) • Link/Act (Green): Ethernet link up • Link/Act (Yellow): On- 1000Mbps ; Off-10Mbps or 100 Mbps
Power Supply	• Redundant Input Terminals 12-58 VDC
Operating Temperature	• -40 to +75°C (cold startup at -40°C)
Storage Temperature	• -40 to +85 °C
Operating Humidity	• 5% to 95% (Non-condensing)
Case	• Rugged Metal, IP30 Protection
Dimension	• 112.2(H) x 29.1(W) x 89.4(D) (without DIN rail clip)
Installation mounting	• DIN Rail mounting and Wall Mounting
Certification	• CE/FCC
EMI	• FCC Part 15, CISPR 22 (EN55022) Class A IEC61000-4-2, -3, -4, -5, -6 (Level 3)

Application



Ordering information

RP-ISG401F 4-P Gigabit +1-SFP(100/1G) slot slim type Industrial Switch

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