RP-IPGU402

4-P Gigabit UPoE + 2-SFP(100/1G) slot Industrial Switch

RP-IPGU402 Industrial 6 port Gigabit Switch with Ultra POE feature complies with IEEE802.3af and IEEE802.3at. It delivers 60watts power per PoE port and generates a total of 240 watts power to PD devices, and 2 SFP slots are supported.

RP-IPGU402 provides redundant dual DC 48V-56V power input, especially for 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.

With IP-30 standard industrial case protection ,RP-IPGU402 allows either DIN rail or wall mounting thereby making its usability more flexible.   Its wide operating temperature ranges from -40°C to 75°C for under harsh environment.
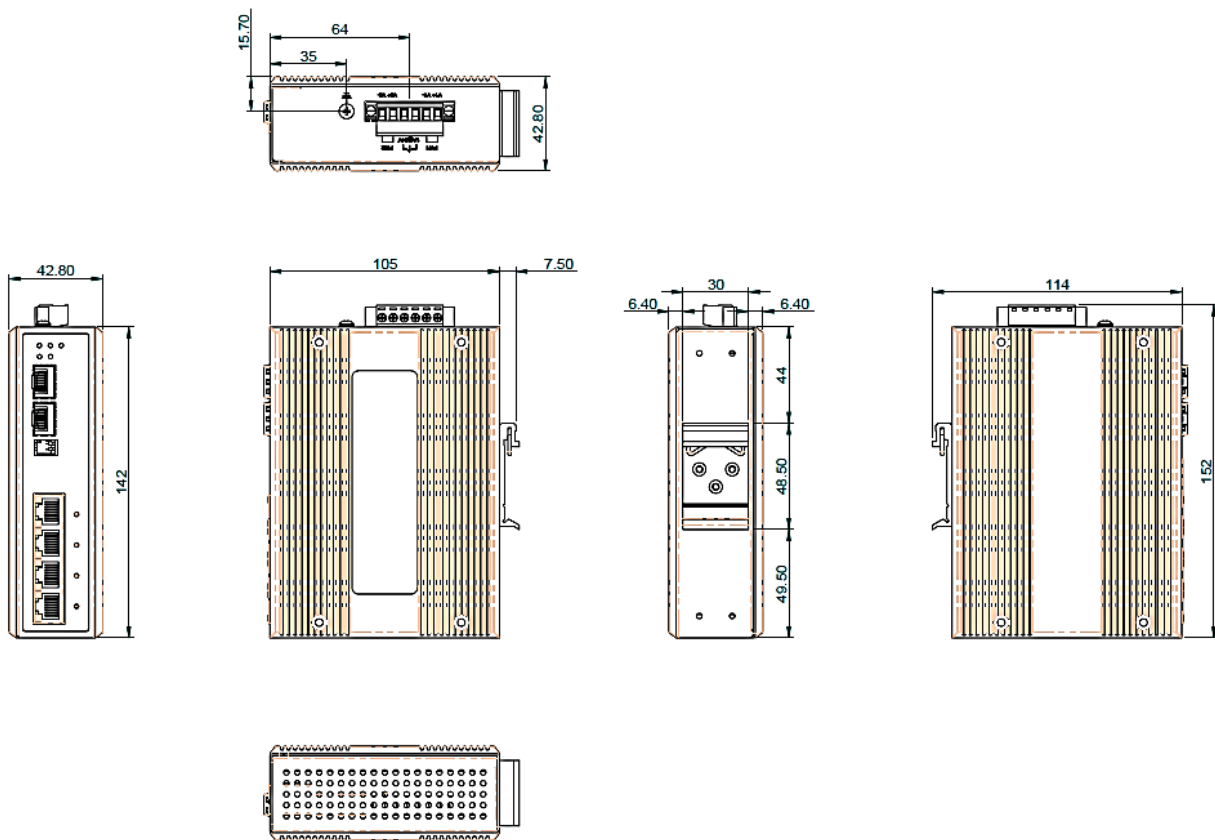
Features

- Support 802.3 at/ af/ UPoE, and total up to 240W
- SFP port supports 100Base-FX and 1000Base-X speed
- Support 48~56VDC power inputs for power redundancy
- Supports auto-negotiation and auto-MDI/MDI-X
- Supports store and forward transmission
- Supports flow control
- Rigid IP-30 Aluminum heat sink housing design
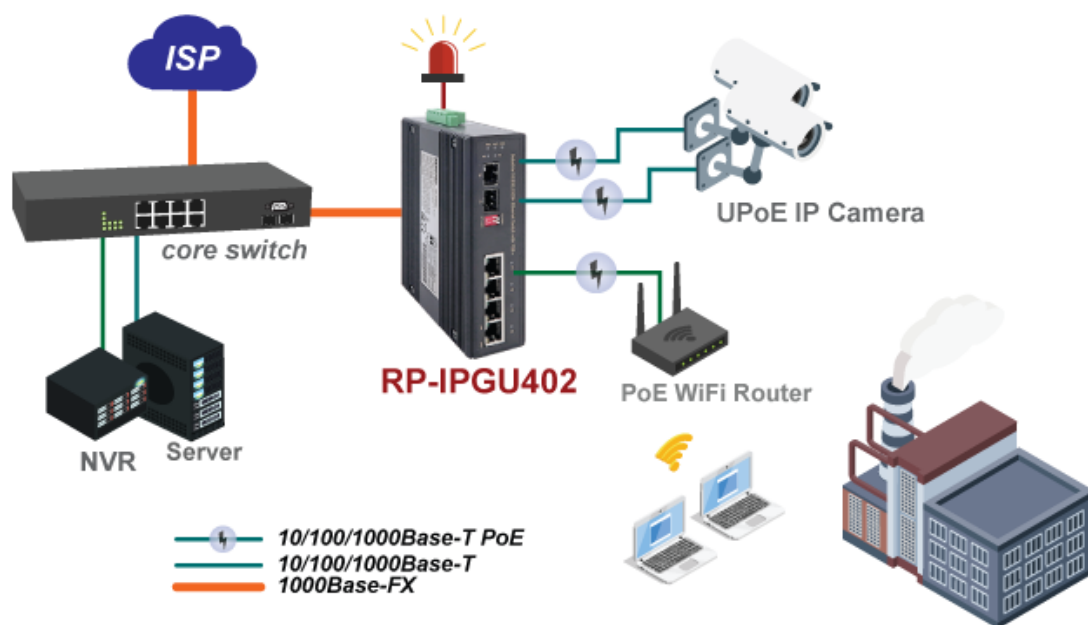- DIN-Rail and wall mounting enabled

Specifications

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, • IEEE802.3af for POE • IEEE802.3at for POE+
Switch Architecture	• Back-plane (Switching Fabric): 12Gbps
Data Processing	• Store and Forward
Flow Control	• IEEE 802.3x Flow Control and Back Pressure
Jumbo Frame	• 9KB
MAC Table Size	• 1K
Packet Buffer Size	• 1Mbits
Network Connector	• 4 RJ-45 Port: 10/100/1000BaseT(X) auto negotiation, UPoE 60W 802.3at/af PSE port, Auto MDI/MDI-X, Full/Half duplex • 2 SFP slots: 100/1000M Base-X Auto MDI/MDI-X, Full/Half duplex
Network Cable	• UTP/STP above Cat.5e Cable, EIA/TIA-568 100-ohm (100m) • Fiber Cable (Multi-mode):50/125um,62.5/125um • Fiber Cable (Single-mode): 9/125um
Protocol	• CSMA/CD
LED	• PW1(Green), PW2(Green), ERR(Amber) • TX/RJ-45 port: LNK (Link/Active) Green, SPD(Speed) 10/100(OFF),1000 (Green) • SFP Fiber Per port: Link (Green) , Active Flash
DIP Switch	• DIP 1: OFF/ON: Port 5 SFP • DIP 2: OFF/ON: SFP 1000M (Default) / 100M
Reverse polarity protection	• Present
Overload current protection	• Present
Power Supply	• Redundant Dual DC 48V-56V Power Input • POE input 48-56VDC
Power Consumption	• 5.76W@48 VDC full load, Without PoE • Max total power 240 Watts, • Max per port 60Watts
Alarm Relay Contact	• Relay outputs with current carrying capacity of 1 A @24VDC, • Relay in short circuit mode when 2 powers are connected. in open circuit mode when only one power supply is connected
PoE power budget	• POE power per port 60watts. Maximum total power 240Watts Supports IEEE802.3af/at
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)
Housing	● Rugged Aluminum, IP30 Protection
Dimension	● 142 x 43 x 105mm (LxWxD)
Installation mounting	● DIN Rail mounting and Wall Mounting
EMC/EMS	● CE, FCC
EMI	● FCC Part 15 Subpart B Class A ● CE EN 55022 Class A
Safety	● IEC EN60950-1
Stability Testing	● EN 60068-2-6 (Vibration), EN 60068-2-27(Shock), EN 60068-2-32(Free Fall)

Diagram

Application

Ordering information

RP-IPGU402   4-P Gigabit UPoE + 2-SFP(100/1G) slot Industrial Switch