RP-IPG411-12V

5-P Gigabit + 1-SFP(100/1G) slot Industrial Switch, W/ 4-Port PoE+

RP-IPG411-12V Industrial Ethernet Switch with POE+ feature complies with IEEE802.3af and IEEE802.3at. It delivers 30watts power per POE port and generates a total of 120 watts power to PD devices and 1 SFP slot is supported.

RP-IPG411-12V provides wide power input voltage range +12 ~ + 55Vdc, it not only boosts up Input Voltage, but also reduces the excessive heat problem to a minimum ,and that secures equipment against unregulated voltage and makes systems safer and more reliable.

Its IP-30 standard industrial case protection allows for either DIN rail or wall mounting for efficient use of cabinet space. Its wide operating temperature range from -40°C to 75°C under harsh environment.
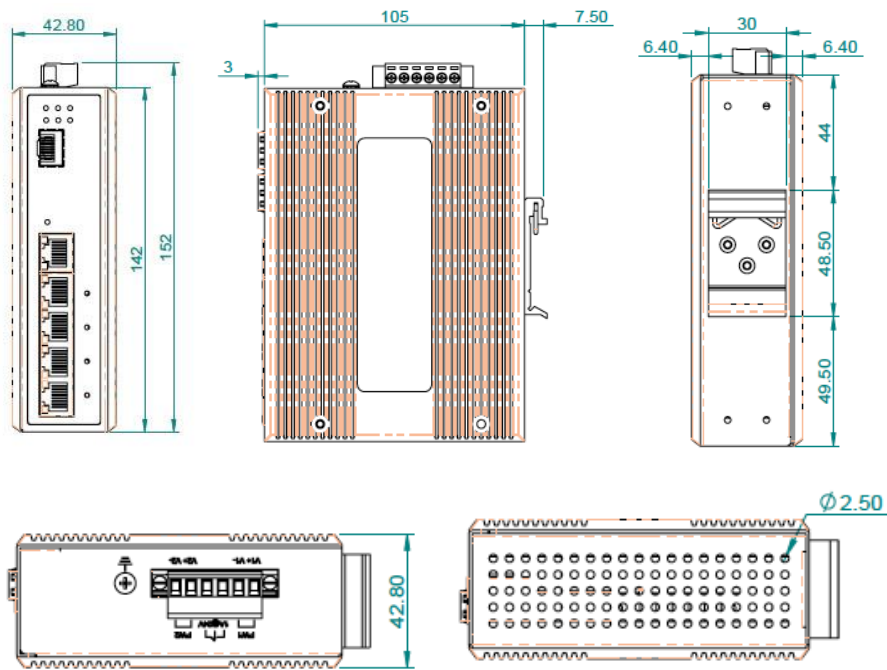
Feature

- Supports P.S.E. based on IEEE 802.3at up to 30 Watts per port
- SFP port supports 100Base-FX and 1000Base-X speed
- Support dual wide range 12~55VDC power inputs for power redundancy
- Support overload current protection
- Support reserve polarity protection
- Super Voltage Booster - 12V/24V/48VDC Power Input
- Supports auto-negotiation and auto-MDI/MDI-X
- Supports store and forward transmission
- Supports flow control
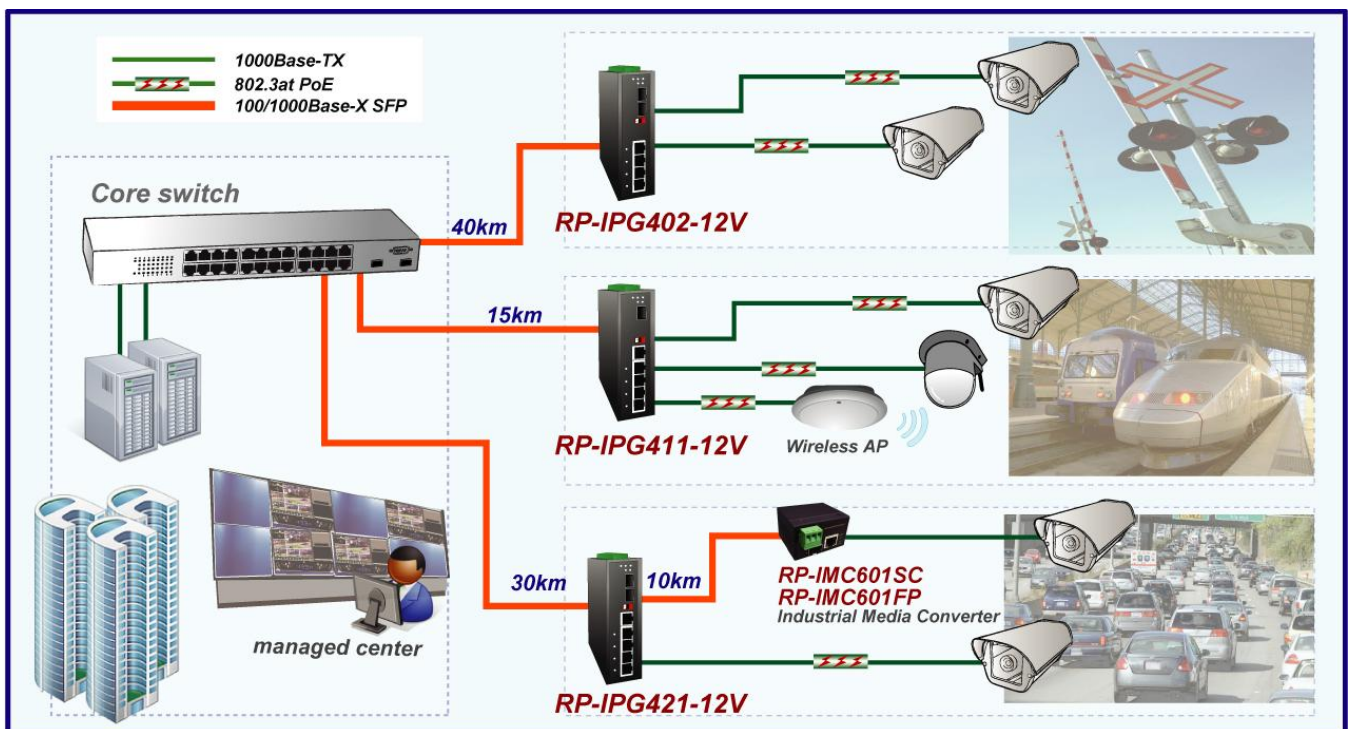- Rigid IP-30 housing design
- DIN-Rail and wall mounting enabled

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, • 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	• 10KB
MAC Table Size	• 1K
Packet Buffer Size	• 1Mbits
Network Connector	• 5 RJ-45 Port: 10/100/1000BaseT(X) auto negotiation, 4 Giga POE+ 802.3at/af PSE port, Auto MDI/MDI-X function, Full/Half duplex • 1 SFP slot: 100/1000M Base-X
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(Power 1) Green, PW2(Power 2) Green, ERR(Fault) 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: Port 5 TX OFF / ON: Port 5 TX ON (DEFAULT) • DIP 2: OFF: SFP 1000M (DEFAULT) / ON: SFP 100M
Power Supply	• Redundant Dual DC 12V-55V Power Input
Power Consumption	• 5.76W@12/24/48 VDC, Non POE
Alarm Relay Contact	• Relay outputs with current carrying capacity of 1A @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	• Per port 30W, Max.36W per port at 12/24/48VDC input • Max. 126W @24VDC and 48VDC power input • Max. 85W @12VDC power input (at 75°C) Max. 95W @12VDC power input (at 70°C)
Removable Terminal Block	• Provide 2 Redundant power ,Alarm relay contact ,6 Pin
POE efficiency	• Voltage boost efficiency up to 97% from 12VDC to 55VDC
Surface temperature	• Surface temperature rises 6°C full load in a 75°C chamber
Operating Temperature	• -40°C ~75°C
Storage Temperature	• -40°C~85°C
Operating Humidity	• 5% to 95% (Non-condensing)
Housing	• Rugged Metal ,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

Diagram

Application

Ordering information

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