

## 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 total 120 watts power to PD devices and 1 SFP slot is supported.

RP-IPG411-12V provides wide power input voltage range +12 ~ + 55Vdc, it is not only boost up Input Voltage, also reduce the excessive heat problem to a minimum ,which secure equipment against unregulated voltage and make systems safer and more reliable.

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

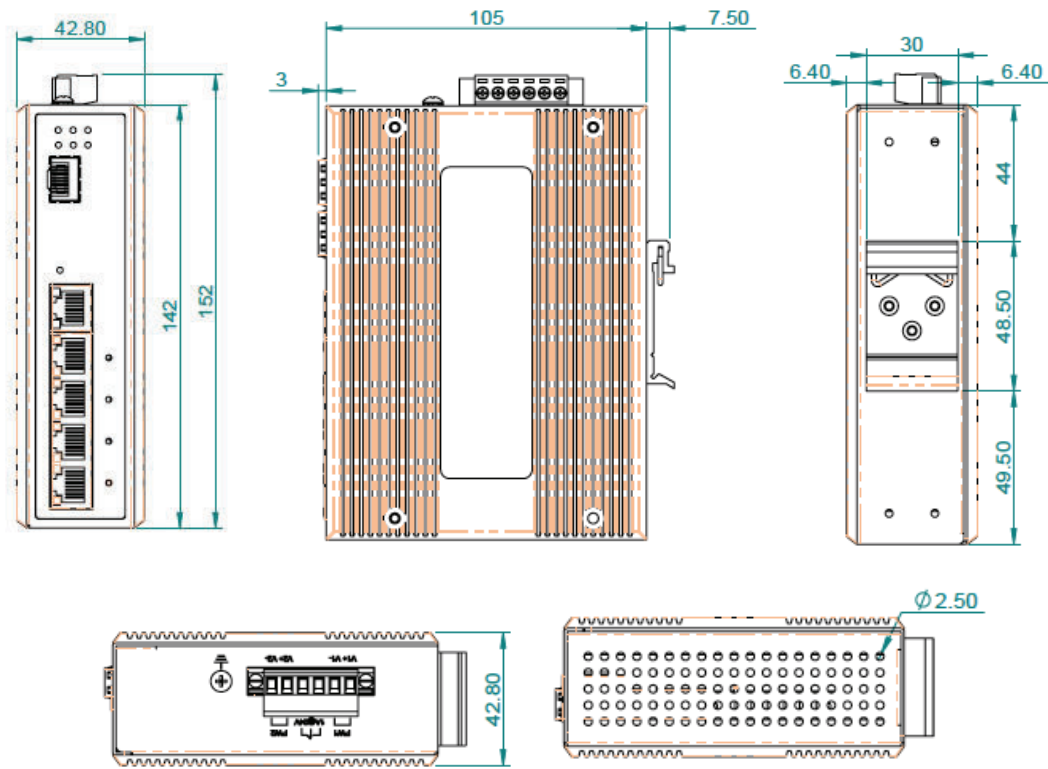
## Feature

- 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

<b>Standards</b>	<ul style="list-style-type: none"> <li>• IEEE 802.3 10Base-T Ethernet</li> <li>• IEEE 802.3u 100Base-TX Fast Ethernet</li> <li>• IEEE 802.3ab 1000Base-T Gigabit Ethernet</li> <li>• IEEE 802.3z 1000Base-X Gigabit Ethernet</li> <li>• IEEE802.3x Flow Control and Back Pressure,</li> <li>• IEEE802.3af for POE</li> <li>• IEEE802.3at for POE+</li> </ul>
<b>Switch Architecture</b>	<ul style="list-style-type: none"> <li>• Back-plane (Switching Fabric): 12Gbps</li> </ul>
<b>Data Processing</b>	<ul style="list-style-type: none"> <li>• Store and Forward</li> </ul>
<b>Flow Control</b>	<ul style="list-style-type: none"> <li>• IEEE 802.3x Flow Control and Back Pressure</li> </ul>
<b>Jumbo Frame</b>	<ul style="list-style-type: none"> <li>• 10KB</li> </ul>
<b>MAC Table Size</b>	<ul style="list-style-type: none"> <li>• 1K</li> </ul>
<b>Packet Buffer Size</b>	<ul style="list-style-type: none"> <li>• 1Mbits</li> </ul>
<b>Network Connector</b>	<ul style="list-style-type: none"> <li>• 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</li> <li>• 1 SFP slot: 100/1000M Base-X</li> </ul>
<b>Network Cable</b>	<ul style="list-style-type: none"> <li>• UTP/STP above Cat.5e Cable, EIA/TIA-568 100-ohm (100m)</li> <li>• Fiber Cable (Multi-mode):50/125um,62.5/125um</li> <li>• Fiber Cable (Single-mode): 9/125um</li> </ul>
<b>Protocol</b>	<ul style="list-style-type: none"> <li>• CSMA/CD</li> </ul>
<b>LED</b>	<ul style="list-style-type: none"> <li>• PW1(Power 1) Green, PW2(Power 2) Green, ERR( Fault ) Amber</li> <li>• TX/RJ-45 port: LNK (Link/Active) Green, SPD(Speed) 10/100(OFF ) ,1000 (Green)</li> <li>• SFP Fiber Per port: Link (Green) , Active Flash</li> </ul>
<b>DIP Switch</b>	<ul style="list-style-type: none"> <li>• DIP 1: OFF: Port 5 TX OFF / ON: Port 5 TX ON (DEFAULT)</li> <li>• DIP 2: OFF: SFP 1000M (DEFAULT) / ON: SFP 100M</li> </ul>
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>• Redundant Dual DC 12V-55V Power Input</li> </ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"> <li>• 5.76W@12/24/48 VDC, Non POE</li> </ul>
<b>Alarm Relay Contact</b>	<ul style="list-style-type: none"> <li>• Relay outputs with current carrying capacity of 1A @24VDC</li> <li>• Relay in short circuit mode when 2 powers are connected. in open circuit mode when only one power supply is connected</li> </ul>
<b>PoE power budget</b>	<ul style="list-style-type: none"> <li>• Per port 30W, Max.36W per port at 12/24/48VDC input</li> <li>• Max. 126W @24VDC and 48VDC power input</li> <li>• Max. 85W @12VDC power input (at 75°C)</li> <li>• Max. 95W @12VDC power input (at 70°C)</li> </ul>
<b>Removable Terminal Block</b>	<ul style="list-style-type: none"> <li>• Provide 2 Redundant power ,Alarm relay contact ,6 Pin</li> </ul>
<b>POE efficiency</b>	<ul style="list-style-type: none"> <li>• Voltage boost efficiency up to 97% from 12VDC to 55VDC</li> </ul>
<b>Surface temperature</b>	<ul style="list-style-type: none"> <li>• Surface temperature rises 6°C full load in a 75°C chamber</li> </ul>
<b>Operating Temperature</b>	<ul style="list-style-type: none"> <li>• -40°C ~75°C</li> </ul>
<b>Storage Temperature</b>	<ul style="list-style-type: none"> <li>• -40°C~85°C</li> </ul>
<b>Operating Humidity</b>	<ul style="list-style-type: none"> <li>• 5% to 95% (Non-condensing)</li> </ul>
<b>Housing</b>	<ul style="list-style-type: none"> <li>• Rugged Metal ,IP30 Protection</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>• 142 x 43 x 105mm (LxWxD)</li> </ul>
<b>Installation mounting</b>	<ul style="list-style-type: none"> <li>• DIN Rail mounting and Wall Mounting</li> </ul>
<b>EMC/EMS</b>	<ul style="list-style-type: none"> <li>• CE, FCC</li> </ul>
<b>EMI</b>	<ul style="list-style-type: none"> <li>• FCC Part 15 Subpart B Class A</li> <li>• CE EN 55022 Class A</li> </ul>

## Diagram



## Ordering information

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