



RP-IPG541

5-P Gigabit Industrial Switch with 4 PoE ports

RP-IPG541 is an industrial 5 port Gigabit switch and equips with 4 PSE ports. RP-IPG541 complies with IEEE 802.3af/at standards supplying PoE power budget 30W per port up to total 120Watts. RP-IPG541 is well suited for heavy usage areas such as

hazardous environments or central control place where a reliable device is critical. It is an ideal solution for Industrial Automation, IP surveillance, traffic monitoring and a wide range of applications. It has been rigorously tested for your Security, Transportation and Telco applications in climatically demanding environments with wide temperature range from -40 to 75°C.

With IP30 industrial case protection, the RP-IPG541 provides a high level of immunity against corrosion and electromagnetic interference. RP-IPG541 also allows either DIN rail or wall mounting for efficient use of cabinet space.

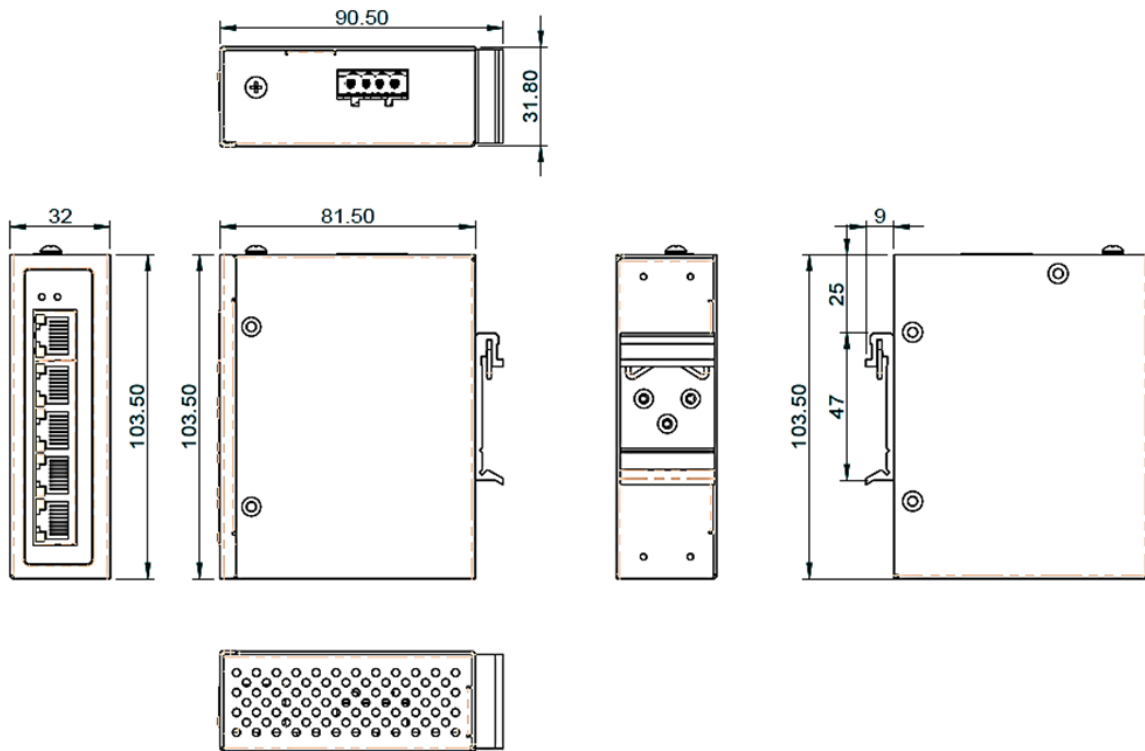
Features

- Supports P.S.E. based on IEEE 802.3at up to 30 Watts per port
- RJ-45 port support Auto MDI/MDI-X Function
- Store-and-Forward Switching Architecture
- Support 48~56VDC power inputs for power redundancy
- Back-plane (Switching Fabric): 10Gbps
- 1M Memory Buffer
- 2K MAC Address Table
- Power Polarity Reverse Protect
- Overload Current Re-settable Fuse Present
- IP-30 Protection
- DIN Rail and Wall Mount Design
- Support Wide Operating Temperature -40°C~75°C
- 2kV Surge immunity

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 • IEEE802.3x Flow Control and Back Pressure, • IEEE802.3af for PoE; IEEE802.3at for PoE+ 	
Switch Architecture	<ul style="list-style-type: none"> • Back-plane (Switching Fabric): 10Gbps 	
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"> • 9KB 	
Memory Buffer	<ul style="list-style-type: none"> • 1M 	
Mac Address	<ul style="list-style-type: none"> • 2K MAC 	
Interface	<ul style="list-style-type: none"> • 5 x 10/100/1000 Mbps TP Jack (RJ-45) auto negotiation, Auto MDI/MDI-X function, Full/Half duplex, 4 802.3af/at PoE 	
Network Cable	<ul style="list-style-type: none"> • UTP/STP above Cat.5e Cable • EIA/TIA-568 10-ohm (100m) 	
Protocol	<ul style="list-style-type: none"> • CSMA/CD 	
LED Indicators	<ul style="list-style-type: none"> • Per unit: Power 1 (Green), Power 2 (Green) • Per port: Link/Active (Green), PoE Detected (Amber) 	
Reserve polarity protection	<ul style="list-style-type: none"> • Present 	
Overload current protection	<ul style="list-style-type: none"> • Present 	
Power Consumption	<ul style="list-style-type: none"> • 2.24W@48 VDC full load, Without PoE 	
Power Supply	<ul style="list-style-type: none"> • Redundant Dual DC 48V-56V Power Input • PoE input 48-56VDC 	
PoE power	<ul style="list-style-type: none"> • PoE power per port 30watts. • Maximum total power 120Watts with 56VDC input, Supports IEEE802.3af/at 	
Removable Terminal Block	<ul style="list-style-type: none"> • Provide 2 Redundant power, 4 Pin • Wire range: 0.34mm² to 2.5mm² • 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	<ul style="list-style-type: none"> • Operating temperature : -40°C~75°C • Storage temperature: -40°C ~85°C • Operating Humidity: 5% to 95% (Non-Condensing) 	
Dimension	<ul style="list-style-type: none"> • 103.5 x 32 x 81.5mm (LxWxD) 	
Housing	<ul style="list-style-type: none"> • Rugged Metal ,IP30 Protection 	
Installation	<ul style="list-style-type: none"> • DIN Rail and Wall Mount Design 	
Certification	Safety	<ul style="list-style-type: none"> • LVD (EN62368-1)
	EMC	<ul style="list-style-type: none"> • CE, FCC, EN 55032/35
	EMI	<ul style="list-style-type: none"> • CISPR 32, FCC Part 15B Class A
	EMS	<ul style="list-style-type: none"> • IEC 61000-4-2 ESD: Contact: 6KV; Air: 8KV • IEC 61000-4-4 EFT: Power: 2KV; Signal: 2KV • IEC 61000-4-5 Surge: Power: 2KV; Signal: 2KV
	Stability Testing	<ul style="list-style-type: none"> • Vibration EN 60068-2-6, Shock EN 60068-2-27, Free Fall EN 60068-2-32

Dimension



Ordering information

RP-IPG541 5-P Gigabit Industrial Ethernet Switch with 4 802.3at PoE ports