

RP-IPG402B

4-Gigabit PoE + 2-SFP(1G) Industrial PoE Switch

RP-IPG402B is the highly reliable industrial PoE switch with 4-port 10/100/1000-T PoE+ and 1 1000Base-X fiber optic interfaces. It adheres to IEEE 802.3af/at PoE standards, delivering up to 30W per port for powering devices like IP cameras and access points. The switch's DIP switch configuration simplifies setup, enabling functions such as port isolation, QoS, and PoE watchdog.

With a wide power input range of 44-57VDC and redundant power design, RP-IPG402B ensures system reliability, even in challenging environments. Its fan-less, IP40-rated cabinet and DIN-rail installation capability make it ideal for industrial use. It can operate seamlessly in temperatures ranging from -40°C to 75°C and offers high-level EMI/EMC protection.

RP-IPG402B excels in heavy industrial environments such as factories, transportation systems, oil and gas facilities, chemical plants, IP surveillance, and process automation. Its rugged design and versatile features make it the top choice for industrial Ethernet networking.



Features

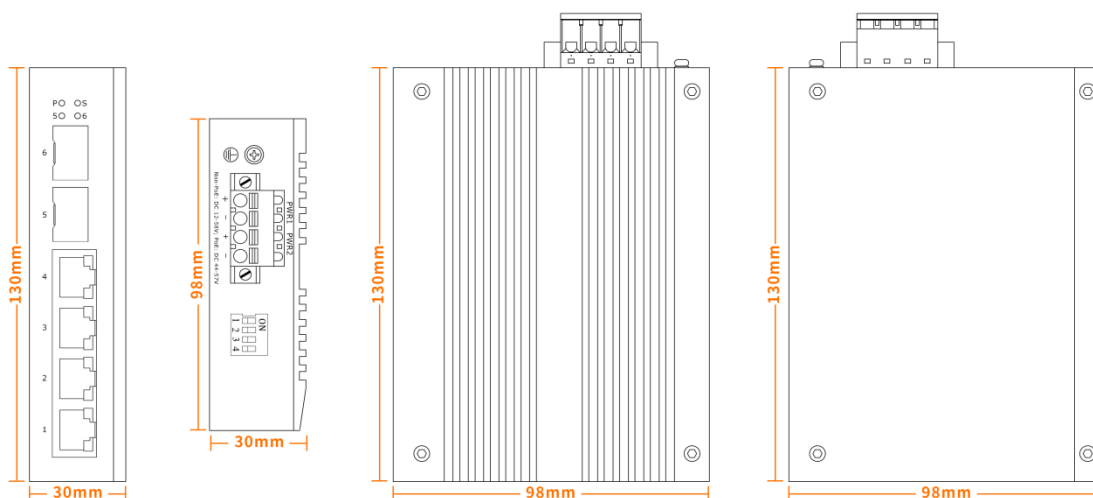
- 4*10/100/1000M RJ45 PoE ports, 2*1000Base-X SFP fiber port
- DC 44~57V input, redundant power supply with polarity reverse/over-voltage protection
- Complies with IEEE802.3af PoE and IEEE802.3at PoE+ standard
- DIP switch function: 1.Port isolation; 2. 250m long distance; 3. QoS; 4.PoE watchdog
- Support 10K Bytes Jumbo frame
- Support 4KV surge protection and ESD: Air-15kV, Contact-8kV Protection
- IP40 fan-less and Din-rail hardware design
- Operation temperature: -40°C ~ +75°C

Specifications

Standards	<ul style="list-style-type: none"> • IEEE 802.3 10Base-T Ethernet • IEEE 802.3u Fast Ethernet • IEEE 802.3ab Gigabit Ethernet • IEEE 802.3x Full-Duplex Flow Control • IEEE 802.3az Energy Efficient Ethernet • IEEE 802.3af Power-Over-Ethernet • IEEE 802.3at Power Over Ethernet plus PSE
Interface	<ul style="list-style-type: none"> • 4 x 10/100/1000Base-T PoE • 2 x 1000Base-X SFP slot
Dip Switch	<ul style="list-style-type: none"> • Port Isolation • 250m long distance mode(1-4 ports) • QoS(1-2 ports) • PoE watchdog
Switching capacity	<ul style="list-style-type: none"> • 12G
Packet forwarding rate	<ul style="list-style-type: none"> • 17.8Mpps
MAC address table	<ul style="list-style-type: none"> • 2K
VLAN	<ul style="list-style-type: none"> • 4K
Buffer	<ul style="list-style-type: none"> • 3M
Forwarding delay	<ul style="list-style-type: none"> • <5us
Jumbo Frame	<ul style="list-style-type: none"> • Support 10Kbytes
MDX/MIDX	<ul style="list-style-type: none"> • Support
Watchdog	<ul style="list-style-type: none"> • Support
Network Topology	
Star topology	<ul style="list-style-type: none"> • Support
Bus topology	<ul style="list-style-type: none"> • Support
Tree Topology	<ul style="list-style-type: none"> • Support
Power parameters	
Input voltage	<ul style="list-style-type: none"> • 44-57VDC, redundant power input
Input current	<ul style="list-style-type: none"> • 3A Max
Total power consumption	<ul style="list-style-type: none"> • Full loading without PoE ≤5W • PoE power budget ≤120W
Connector	<ul style="list-style-type: none"> • Removable 4-pin terminal block
Reverse polarity protection	<ul style="list-style-type: none"> • Support
Over-voltage protection	<ul style="list-style-type: none"> • Support
Mechanical structure	
LED Indicators	<ul style="list-style-type: none"> • P (Power indicator) Green • S (System status indicator) Red • 1-4 (Copper ports indicators) Green / (PoE status indicators) Yellow

	<ul style="list-style-type: none"> 5-6 (Fiber ports indicator) Green
Mechanical structure	
Case protection	<ul style="list-style-type: none"> IP40
Installation method	<ul style="list-style-type: none"> Din-rail
Dimension	<ul style="list-style-type: none"> 130 x30 x 98 mm (LxWxD)
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)
EMS	<ul style="list-style-type: none"> Surge protection of power: IEC 61000-4-5 Level 3 (4KV/2KV)(8/20us) Surge protection of Ethernet ports: IEC 61000-4-5 Level 3 (4KV/2KV)(10/700us) DIP: IEC 61000-4-11 Level 3 (10V) ESD: IEC 61000-4-2 Level 4 (8K/15K)
EMI	<ul style="list-style-type: none"> FCC Part 15B Class A
Certification	<ul style="list-style-type: none"> CE/FCC/RoHS

Dimension



Ordering information

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