



1-Port 10/100/1000Mbps Industrial High Power PoE Midspan Injector



BI1201PG-90W

Key Features:

Ports: Provide 2*10/100/1000Mbps Ethernet ports

PoE Standard: IEEE802.3af/at/bt Power over Ethernet (PoE) Compliant

Total Power: Total power budget of 90W for all single PoE ports

Self-adaption: RJ45 port supports 10/100/1000Mbps Auto MDI/MDIX

Industrial Installation: Din Rail mounting installation

Wide Application: Designed for Wifi AP and IP Security camera.VoIP etc

Surge protection: Protect the device from lightning surges and others electrical hazards

Considerate Design: Exquisite compact size.wall mounted with fanless design

PoE with High Power, Security, Stability and Easy Installation Features

As the applications of Power over Ethernet have expanded to home users from the IT industry. We have developed a new Single-Port PoE++ Injector which meets the requirements of both the IT industry and home users for high wattage output and easy installation, respectively.

The BI1201PG-90W is single-port **Gigabit 802.3bt PoE++ injector** with industrial Din rail type,. Carrying both Ethernet data and power simultaneously, the POE injector helps users to utilize just one Ethernet cable to easily install and deploy IP camera, wireless AP or VoIP phone networking in environments where power outlet is hard to find. It offers an affordable, safe and reliable power solution for cost-conscious business and home users deploying Power over Ethernet networks.

All-in-One and Compact-size Design

With concepts of "Easy to install", "Plug and Play" and "Simple troubleshooting" for business and home users, the PoE injector is an all-in-one, single-port PoE+ injector with internal power supply. In the compact size housing and it provides one 48-57V DC input socket on its front panel, two LEDs (System POWER and PoE ACTIVE) on the top side and two RJ45 ports (POE port and LAN port) on the rear panel. Simply plug in the Ethernet cables and power cord, It is ready to provide high-speed network communication and high power PoE+ injector functions simultaneously with no need of software configuration.

Quick and Easy Cabling Installation for PoE Network Deployment

Complying with both 802.3af and 802.3at PoE+ standards, the POE Injector allows users to flexibly deploy standard and high powered devices to transfer data and power simultaneously through one Ethernet cable for up to 100 meters. It also frees the security IP camera and wireless AP deployment from restrictions of power outlet locations and the additional AC wiring. It thus reduces cables and eliminates the need for electrical outlets on the wall, ceiling or any unreachable place, and most of all, it reduces installation time

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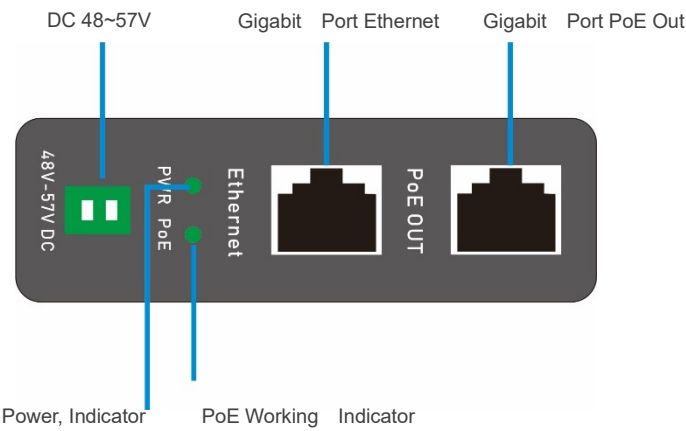
Technical Datasheet

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| Model | BI1201PG-90W |
| Hardware Specifications | |
| Interface | "Data" Input Port: 1 x RJ45 STP "PoE (Data + Power)" Output Port: 1 x RJ45 STP DC Input Power Socket: 1 |
| LED Indicator | System: Power x 1 (Green) PoE Port: Active, PoE ready-in-use x 1 (Green) |
| Network Cable | 10BASE-T: 2-pair UTP Cat. 3, 4, 5, up to 100M (328ft) 100BASE-TX: 2-pair UTP Cat. 3, 4, 5, up to 100M (328ft) 1000BASE-T: 2-pair UTP Cat. 5e, 6 up to 1000M (328ft) EIA/TIA-568 100-ohm STP (100m) |
| Data Rate | 10/100/1000Mbps |
| Power requirement | DC48~57V |
| Enclosure | IP40 Metal case |
| ESD Protection | 6KV ESD |
| Environment specification | Operating temperature: -40℃~85℃, operating humidity: 5%~95% Storage temperature: -40℃~85℃, storage humidity: 5%~95% |
| Dimension(W x D x H) | 30 x 70 x 95mm (1.18in x 2.76in x 7.75in) |
| Weight | 0.4kg |
| Power over Ethernet (PoE) Specifications | |
| Network standard | IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet |
| PoE Standard | IEEE 802.3af Power over Ethernet/PSE IEEE 802.3at Power over Ethernet Plus/PSE IEEE 802.3bt Power over Ethernet Plus/PSE |
| PoE Supply Type | 1/2/4/5(+), 3/6/7/8(-) |
| Power Consumption | 90 watts |
| Safety | FCC Part15 Class A,CE,RoHs |
| Industrial Standard | |
| EMI: | FCC CFR47 Part 15, EN55022/CISPR22, Class A |
| EMS: | IEC61000-4-2 (ESD): ±8kV (contact), ±15kV (air) IEC61000-4-3 (RS): 10V/m (80MHz-2GHz) IEC61000-4-4 (EFT): Power Port: ±4kV; Data Port: ±2kV IEC61000-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±2kV IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz) IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s) |
| Machinery | IEC60068-2-6 (Vibration) IEC60068-2-27 (Shock) IEC60068-2-32 (Free Fall) |

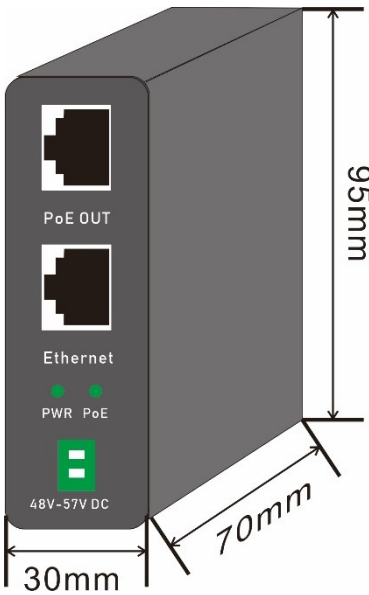
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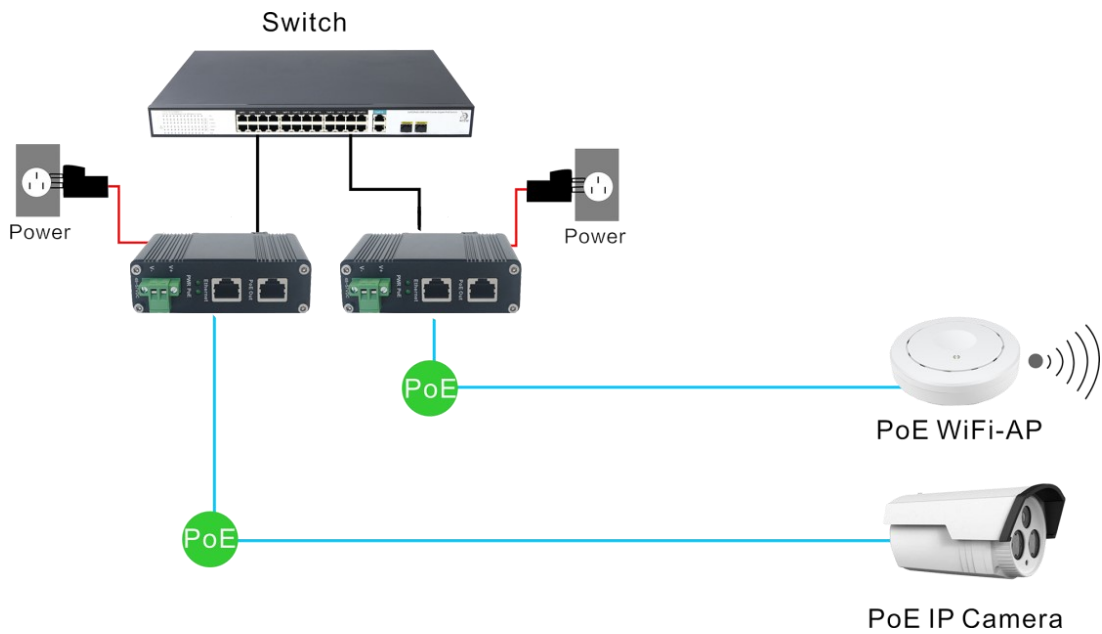
Interfaces



Structure Diagrams



Applications



Ordering Information

BI1201PG-90W

2 Ports 10/100/1000Mbps Industrial high power PoE midspan Injectors , 60-90W Output,Din rail