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# BC2108PG2GF-250W Series

## 12-port Full Gigabit PoE Fiber Switch

**Ideal for:**

- Telecom
- Hotels & Resorts
- Universities
- Healthcare
- Public Places
- Airport
- Transport
- Industries

## OVERVIEW

The BC2108PG2GF-250W is a full gigabit unmanaged PoE fiber switch. It has 10*10/100/1000M RJ45 ports and 2*1000M SFP port slots. Port 1-8 can support IEEE802.3af/at PoE standard, single port PoE power up to 30W, Total power is 250W. As a PoE power supply device, it can automatically detect and recognize the power receiving equipment that meets the standard and supply power through the network cable.

It can automatically detect and identify the electrical equipment that meets the standard and supply power to it through the network cable, devices including wireless AP, IP camera, IP telephone and other PoE terminal equipment etc. In addition, it is suitable for networking system of hotel, campus, dormitory and small and medium enterprise etc. Unmanaged mode, plug and play, no configuration, easy to use.

## FEATURES

**1. Full Gigabit access, gigabit TP/SFP port uplink**
- All series supports "gigabit RJ45 port and Gigabit SFP port" combination, which enables users to flexibly build
- networking to meet the needs of various scenarios.
- Support non-blocking wire-speed forwarding.
- Support full-duplex based on IEEE802.3x and half-duplex based on backpressure.

**2. Intelligent PoE power supply**
- 8*10/100/1000Base-T RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless
- coverage, and other scenarios.
- IEEE802.3af/at PoE standard, without damaging non-PoE devices.
- Priority system for PoE port, it will supply power to the high priority level port first when the power budget is
- insufficient and avoid overwork of the device.

**3. Stable and reliable**
- Low power consumption, galvanized steel casing, the fan active cooling.
- Self-developed power supply, high redundancy design, providing a long term and stable PoE power output.
- Plug and play, no configuration, simple and convenient.
- CCC, CE, FCC, RoHS.
- The user-friendly panel, it can show the device status through the LED indicator of PWR, Link, L/A, PoE.

## TECHNICAL SPECIFICATION

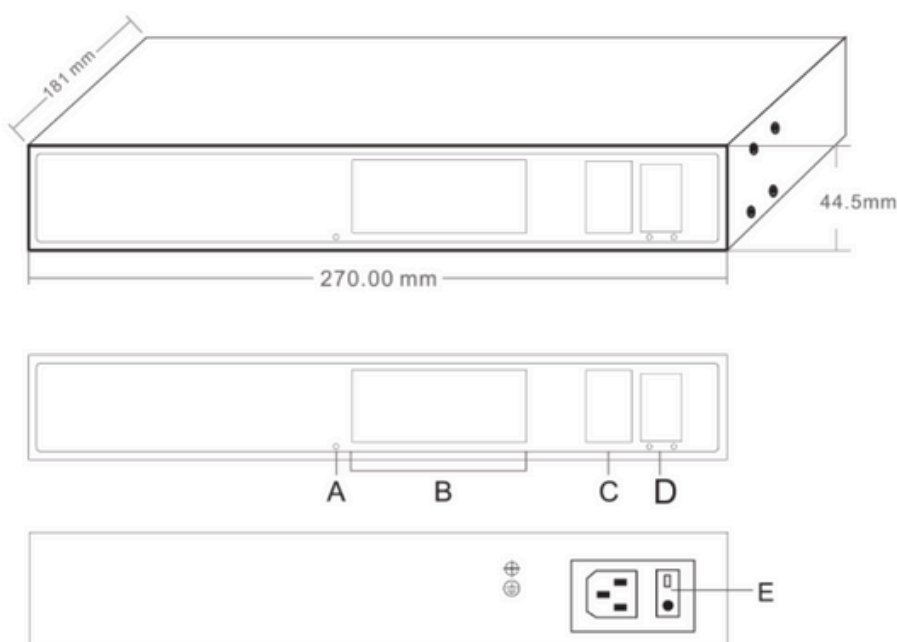| Model | BC2108PG2GF-250W |
|---|---|
| **Interface Characteristics** | |
| Fixed Port | 8*10/100/1000Base-T PoE ports (Data /Power)<br>2*10/100/1000Base-T uplink RJ45 ports (Data)<br>2*1000Base-X uplink SFP ports (Data) |
| Ethernet Port | 10/100/1000Base-T,auto-sensing, full/half duplex MDI/MDI-X |
| Twisted Pair Transmission | 10BASE-T: Cat3,4,5 UTP(≤100 meter)<br>100BASE-TX: Cat5 or later UTP(≤100 meter)<br>1000BASE-T: Cat5e or later UTP(≤100 meter) |
| SFP Slot Port | Gigabit SFP optical fiber interface, default matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC) |
| Optical Cable | Multi-mode: 850nm /0 ~ 500M,single mode: 1310nm /0 ~ 40KM, 1550nm/ 0 ~ 120KM. |
| **Chip Parameter** | |
| Network Protocol | IEEE802.3 10BASE-T, IEEE802.3i 10Base-T<br>IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T<br>IEEE802.3z 1000Base-X, IEEE802.3x |
| Forwarding Mode | Store and Forward(Full Wire Speed) |
| Switching Capacity | 24Gbps (Non-blocking) |
| Forwarding Rate@64byte | 17.86Mpps |
| MAC | 4K |
| Buffer Memory | 4M |
| Jumbo Frame | 9.6K |
| LED Indicator | Power: PWR (green), network: Link, Link/Act (yellow), PoE: PoE(green) SFP port: L/A (green), speed : 1000M (green) |
| **Power** | |
| PoE Port | Port 1 to 8 IEEE802.3af/at @ POE |
| Power Supply Pin | Default 1/2 (+), 3/6 (-) |
| Max Power Per Port | 30W; IEEE802.3af/at |
| Total PWR / Input Voltage | 250W (AC100-240V) |
| Power Consumption | Standby:<10W, Full Load:<240W |
| Power Supply | Built-in power supply, AC100~240V 50-60Hz 4.1A |
| **Physical Parameter** | |
| Operation TEMP / Humidity | -20~+55°C;5%~90% RH Non condensing |
| Storage TEMP / Humidity | -40~+75°C;5%~95% RH Non condensing |
| Dimension (L*W*H) | 270*181*44.5mm |
| Net /Gross Weight | <1.6kg /<2.2kg |
| Installation | Desktop, wall mounted,19 inch 1U cabinet |

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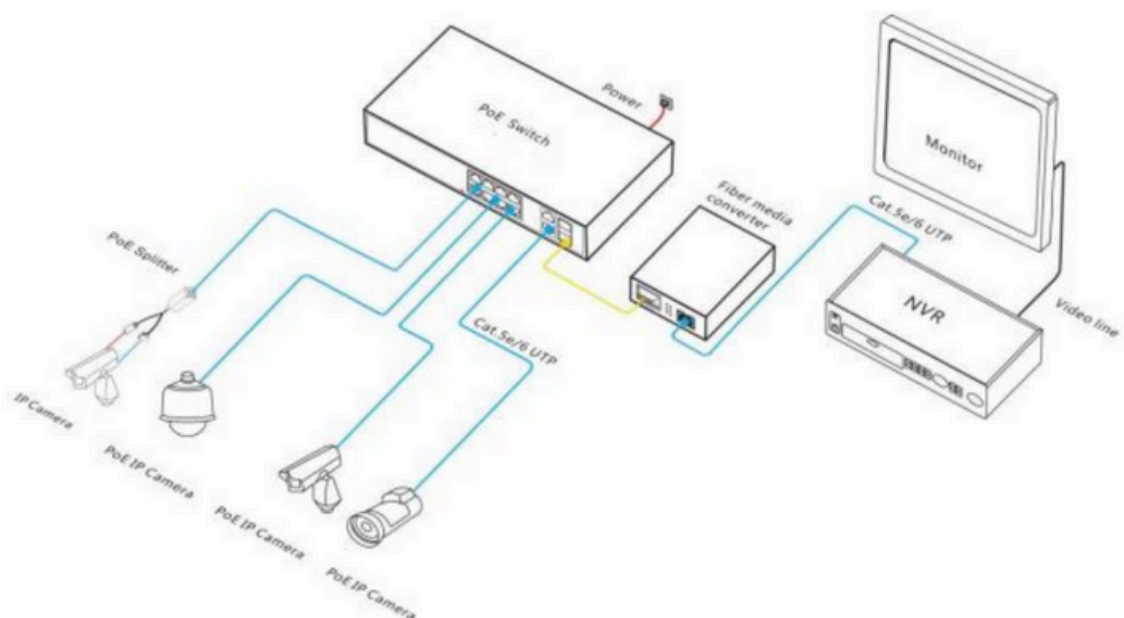| Certification & Warranty | |
|---|---|
| Lightning protection / Protection level | Lightning protection: 4KV 8/20us; Protection level: IP30 |
| Certification | CCC;CE mark, commercial; CE/LVD EN60950;FCC Part 15 Class B; RoHS; |
| Warranty | 3 years, lifelong maintenance. |

## DIMENSION



A.Working Indicator
B.8* 10/100/1000M PoE Ports
C.2*10/100/1000M Uplink Ports
D.2*10/100/1000M SFP Ports
E.Power Input Port AC100-240V,50/60Hz

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# 12-port Full Gigabit PoE Fiber Switch



## APPLICATION



## PACKING LIST

| | Content | Qty | Unit |
|---|---|---|---|
| **PACKING LIST** | 12-port full gigabit PoE fiber switch | 1 | SET |
| | AC Power Cable | 1 | SET |
| | Mounting Kits (Hanging Ear) | 1 | SET |
| | User Guide | 1 | PC |