# BORN
## elegant creation

# BC2108PE2GF-130W
## 12-port Gigabit Uplink PoE Fiber Switch
## Datasheet

## Ideal for:

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

The BC2108PE2GF-130W is a gigabit uplink unmanaged PoE fiber switch. It has 8*10/100Base-TX PoE ports and 2*10/100/1000Base-T RJ45 port and 2*1000Base-X SFP fiber slot ports. Port 1-8 can support IEEE802.3af/at PoE standard, single port PoE power up to 30W, the maximum PoE output power is 130W. 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 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. It is suitable for hotel, campus, park, commercial supermarket, scenic spot, factory quarter and SMB small and medium-sized enterprises to form a cost-effective network.
Unmanaged model, plug and play, no configuration, easy to use.

## TECHNICAL SPECIFICATION

| Interface Characteristics | |
|---|---|
| Fixed Port | 8*10/100Base-TX PoE ports (Data/Power) <br> 2*10/100/1000Base-T RJ45 ports (Data) <br> 2*1000Base-X uplink SFP fiber slot ports (Data) |
| Ethernet Port | Port 1-8 support 10/100Base-TX, Port 9-10 support 10/100/1000Base-T(X) auto-sensing, full/half duplex MDI/MDI-X self-adaption |
| 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/ Distance | Multi-mode: 850nm / 0 ~ 550m, Single-mode: 1310nm / 0 ~ 40km, 1550nm / 0 ~ 120km. |
| PoE & Power Supply | |
| 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 | 130W /(AC100-240V) |
| Power Consumption | Standby<6W,Full Load<120W |
| Power Supply | Built-in power supply, AC 100~240V 50-60Hz 2.3A |

| Chip Parameter | |
|---|---|
| Network Protocol | IEEE802.3 10BASE-T, IEEE802.3i 10Base-T,IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3x |
| Forwarding Mode | Store and Forward(Full Wire Speed) |
| Switching Capacity | 12Gbps (Non-blocking) |
| Forwarding Rate@64byte | 7.14Mpps |
| MAC | 2K |
| Buffer Memory | 2M |
| Jumbo Frame | 9.2K |
| LED Indicator | Power: PWR (green), network: Link, link/Act (yellow),PoE: PoE (green), rate: 1000M (green) |
| Physical Parameter | |
| Operation TEMP / Humidity | -20~+55°C, 5%~90% RH Non condensing |
| Storage TEMP / Humidity | -40~+80°C, 5%~95% RH Non condensing |
| Dimension (L*W*H) | 270*181*44.5mm |
| Net /Gross Weight | <1.3kg / <1.8kg |
| Installation | Desktop, wall-mounted,19 inch 1U cabinet |
| 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. |