# BORN
## elegant creation

# BC2224PG2F-400W
# 24Ports Gigabit PoE Switch

## Key Features:

**Ports:** Provide 24*10/100/1000Mbps PoE ports and  2 *1.25Gbps SFP Uplink

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

**Total Power:** Total power budget of 400W and 30W for all singe PoE ports

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

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

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

**Considerate Design:** Rack mount installation with fanless design

**Easy to use:** Plug and play, No configuration required

## Versatile PoE Port

Featuring 24* 10/100/1000Mbps PoE ports which support IEEE802.3af/at standard and 2 Gigabit SFP Uplink. the PoE switch provides Maximun power budget of 400W and 30W for single PoE ports sepectively,allowing users to have several different Networking products configured

## Surge Protection Design

Reaching 6KV surge protection, the PoE ports owns the capacity to keep the PoE Switch from lightning strikes and other electrical surges, offering reliable performance even in some harsh environments.
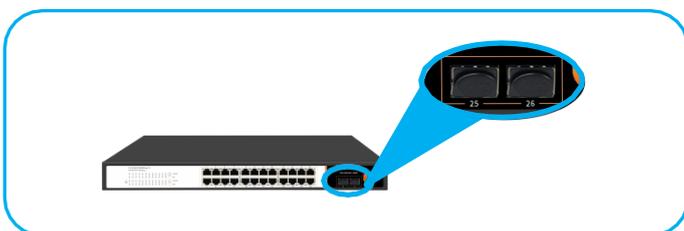
## Gigabit SFP Uplink Port

With SFP module slot available, the SFP uplink port is ideal for connecting the switch to the network's backbone, providing more than enough bandwidth and stability for ultra high speed data transferring, Beside the SFP can transmitte the date with Max 100Km distance with more economic solution

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## Technical Datasheet

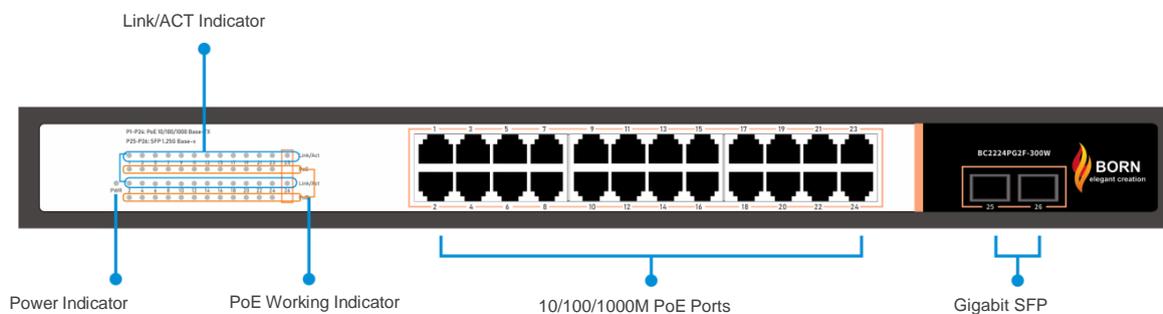| Model | BC2224PG2F-300W | |
|---|---|---|
| **Hardware Specifications** | | |
| Connector | 24* 10/100/1000MBASE-T RJ45 auto MDI/MDIX ports<br>2* 1.25G Base-X SFP Slots | |
| PoE Port | 24* 10/100/1000Mbps POE PSE port | |
| SFP | Singe fiber/Dual fiber supported. Distance vary the module | |
| Thermal Fan | Fanless Design | |
| LED indicators | Power Indicator: PWR(green).<br>Network Indicator: Link(yellow)<br>PoE Working Indicator: PoE(green) | |
| Switch Architecture | Store and Forward | |
| Transmission model | IEEE802.3X full-duplex and Backpressure half-duplex | |
| Switch Performance | Backplane bandwidth | 64Gbps |
| | Packet forwarding rate | 42Mpps |
| | MAC address | 8k |
| Power requirement | AC100-240V 50/60Hz | |
| ESD Protection | 6KV ESD | |
| Dimension(W×D×H) | 440mm x 260mm x 44.5mm(17.32in x 10.24in x 1.75in) | |
| Weight | <5kg | |
| **Power over Ethernet (PoE) Specifications** | | |
| Network standard | IEEE802.3i 10 BASE-T<br>IEEE802.3u 100 BASE-TX<br>IEEE 802.3ab Gigabit 1000BASE-T<br>IEEE 802.3z Gigabit SX/LX<br>IEEE802.3x Flow Control<br>IEEE802.3af Power over Ethernet<br>IEEE802.3at Power over Ethernet<br>IEEE802.3az EEE | |

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| PoE Standard | IEEE 802.3af Power over Ethernet/PSE |
| --- | --- |
| | IEEE 802.3at Power over Ethernet Plus/PSE |
| PoE Supply Type | 1/2(+), 3/6(-) End-span |
| PoE Power Output | Per Port 52V DC, 300mA. max. 15.4 watts (IEEE 802.3af) |
| | Per Port 52V DC, 600mA. max. 30 watts (IEEE 802.3at) |
| PoE Power budget | 400W |
| **Environment** | |
| Safety | FCC Part15 Class A,CE.RoHs |
| Environment specification | Operating temperature: -20℃~55℃，operating humidity: 5％~95％ |
| | Storage temperature: -20℃~75℃，storage humidity: 5％~95％ |

## Interfaces



Link/ACT Indicator

Power Indicator

PoE Working Indicator

10/100/1000M PoE Ports

Gigabit SFP

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## Structure Diagrams
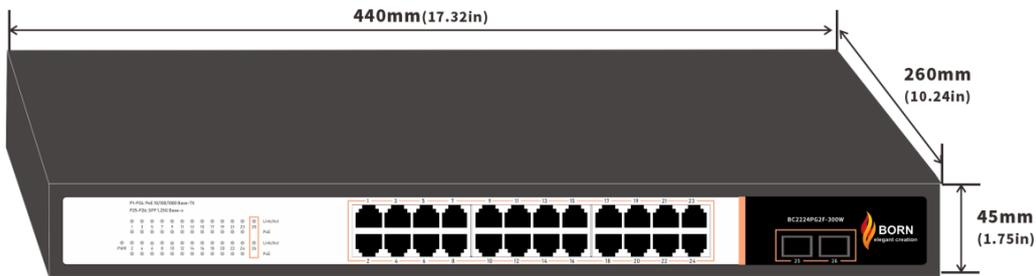


## Applications
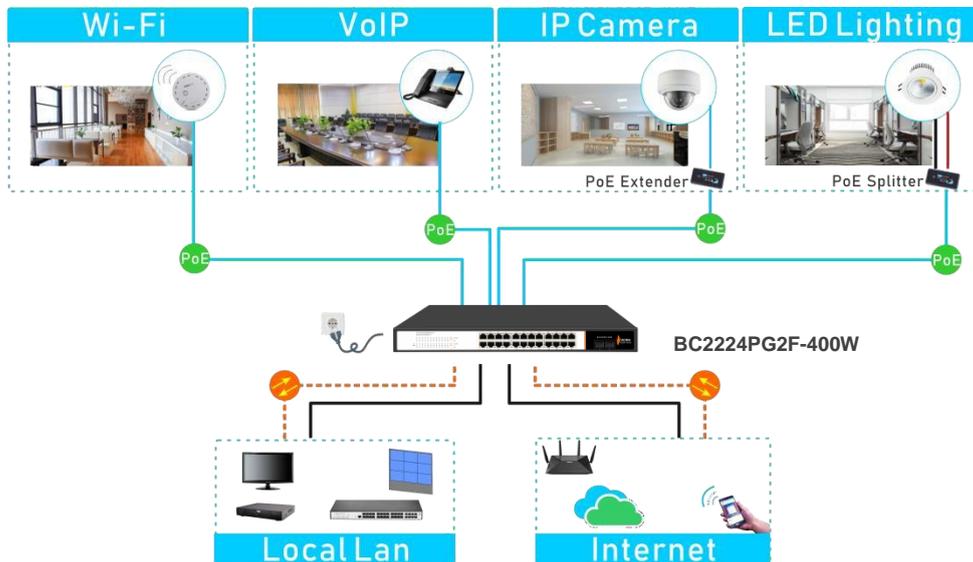


| Ordering Information | |
|---|---|
| BC2224PG2F-400W | 24 Ports 10/100/1000Mbps PoE switch with 2 Gigabit SFP Uplink,6KV surge protection,IEEE802.3af/at |