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BC2116BPG2F-1200W
18 port Full Gigabit bt PoE Fiber Switch Datasheet

Ideal for:

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

FEATURES

- Full gigabit access
- Smart PoE power supply function
- CCC,CE, FCC, RoHS
- Low power consumption

Overview

The BC2116BPG2F-1200W is a gigabit bt PoE fiber switch. It has 16*10/100/1000Base-T adaptive RJ45 ports and 2*1000M uplink SFP slot ports. Port 1-16 can support 71W PoE super high power output and backward compatible with the IEEE802.3af/at PoE standard. Single-port PoE power is 90W. 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 provides stable and safe terminals for PTZ network camera, high-power AP, high-power multimedia speaker, and high-power POE lighting, etc. through a network cable to meet the network environment that needs high-density PoE power supply. It is suitable for hotels, campuses, parks, shopping malls, scenic spots, hospitals, factory dormitory and small and medium-sized enterprise.

Unmanaged model, plug and play, no configuration, easy to use.

TECHNICAL SPECIFICATION

Interface Characteristics	
Fixed Port	16*10/100/1000M bt PoE ports (Data /Power)
	2*1000M uplink SFP ports (Data)
Ethernet Port	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 meters)
	100BASE-TX: Cat5 or later UTP(≤100 meters)
	1000BASE-T: Cat5e or later UTP(≤100 meters)
SFP Slot Port	Gigabit SFP optical fiber port, default no include optical modules (optional order single-mode / multi-mode, single fiber/ dual fiber optical module. LC)
Optical Cable/ Distance	Multi-mode: 850nm/ 0-500M, Single-mode: 1310nm/ 0-40KM, 1550nm/ 0-120KM.

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Chip Parameter	
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX IEEE802.3u 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3x
Forwarding Mode	Store and Forward(Full Wire Speed)
Switching Capacity	52Gbps (Non-blocking)
Forwarding Rate@64byte	26.78Mpps
MAC	8K
Buffer Memory	4M
Jumbo Frame	9.2K
LED Indicator	Power: PWR (Green), Network: Link (Yellow), PoE: PoE (Green), SFP port: L/A(Green)
PoE & Power Supply	
PoE Port	Port 1 to 16 @bt PoE and backward compatible with IEEE802.3af/at
Power Supply Pin	1/2(+)3/6(-) 4/5(+)7/8(-)
Max Power Per Port	90W, IEEE802.3af/at/bt, When 16 PoE ports are used at the same time, the max average power per port is 71W
Total PWR / Input Voltage	1200W/(AC100-240V)
Power Consumption	Standby<25W, Full Load<1200W
Power Supply	Built-in power supply, AC100-240V 50-60Hz 6.6A x 2

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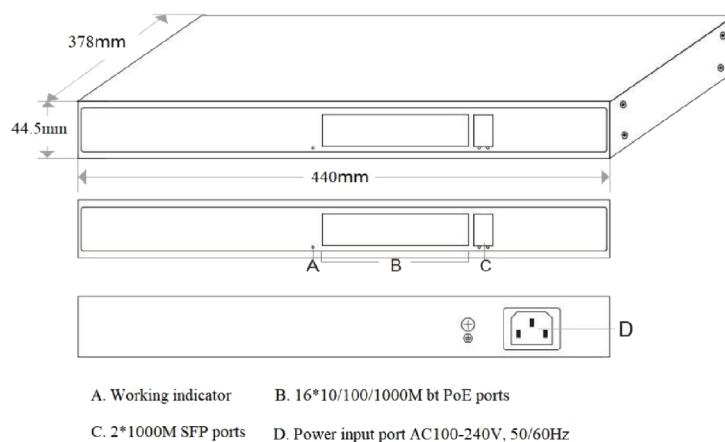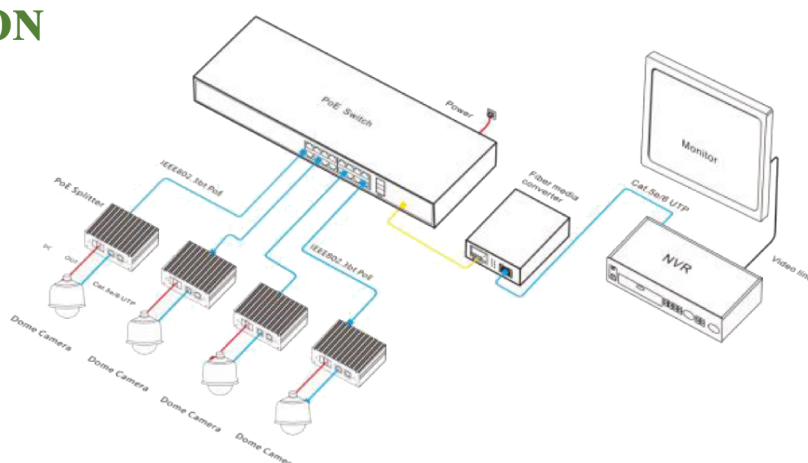| Physical Parameter	
Operation TEMP / Humidity	-20~+55°C, 5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+80°C, 5%~95% RH Non condensing
Dimension (L*W*H)	440*290*44.5mm
Net /Gross Weight	<5.0kg /<5.8kg
Installation	Desktop,1U/19 inch cabinet installation
Certification & Warranty	
Lightning Protection	Lightning protection: 4KV 8/20us, Protection level: IP30
Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS
Warranty	3 years, lifelong maintenance.

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DIMENSIONS

378mm
44.5mm
440mm

A   B   C

D

A. Working indicator   B. 16*10/100/1000M bt PoE ports

C. 2*1000M SFP ports   D. Power input port AC100-240V, 50/60Hz

APPLICATION