BC2116G2F Series
18-port Gigabit Ethernet Fiber Switch

Ideal for:

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

OVERVIEW

The BC2116G2F is an unmanaged gigabit Ethernet fiber switch. It has 16*10/100/1000M RJ45 ports and 2*1000M SFP ports. The RJ45 and SFP combined interface can be unaffected by the transmission medium, realizing convenient connection and expansion of the network. The scheme of the large backplane and large cache switching chip is preferred to improve the forwarding rate of large files and effectively solve the problems of video freeze and picture loss in the high-definition surveillance environment. It is suitable for hotels, banks, campuses, factory quarters and small and medium-sized enterprises to establish a cost-effective network. Unmanaged mode, plug and play, no configuration, simple and convenient to use.

FEATURES

1. Full gigabit rate, high-speed transmission
- A combination of Gigabit Ethernet port and Gigabit SFP port to meet the networking requirements of various scenarios.
- Support non-blocking wire-speed forwarding.
- Support full-duplex based on IEEE802.3x and half-duplex based on backpressure.

2. Stable and reliable
- CE, FCC, RoHS.
- Low power consumption, metal casing, the fan active cooling.
- Self-developed power supply, high redundancy design, providing a long term and stable power output.

3. Easy to operate
- Plug and play, no configuration, simple and convenient.
- The user-friendly panel, it can show the device status through the LED indicator of PWR, Link/Act.

BC2116G2F Series

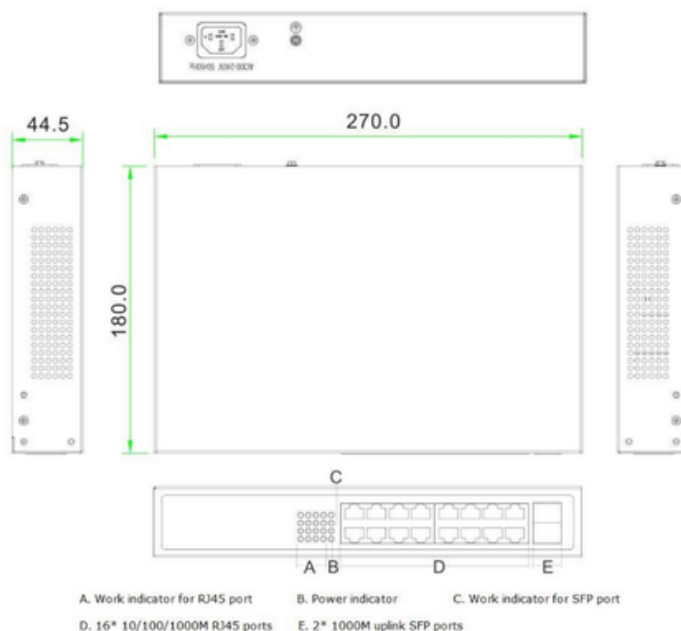# 18-port Gigabit Ethernet Fiber Switch

TECHNICAL SPECIFICATION

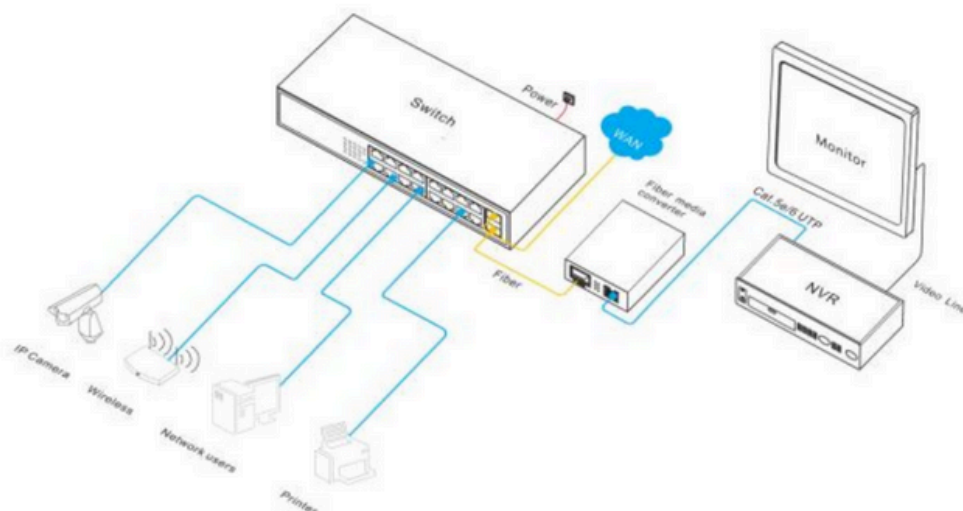| Model	BC2116G2F	
Interface Characteristics		
Fixed Port	16*10/100/1000Base-T RJ45 ports (Data) 2*1000Base-X uplink SFP fiber slot ports (Data)	
Ethernet Port	10/100/1000Base-T auto-sensing, full/half duplex MDI/MDI-X self-adaption.	
Fiber Port	Gigabit SFP optical fiber interface, default matching optical 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.	
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)	
Chip Parameter		
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-TX IEEE802.3z 1000Base-X, IEEE802.3x	
Forwarding Mode	Store and Forward(Full Wire Speed)	
Switching Capacity	48Gbps (Non-blocking)	
Forwarding Rate@64byte	26.78Mpps	
MAC	8K	
Buffer Memory	4M	
LED Indicator	Power: PWR (green), Network: Link/Act(green)	
Power Supply		
Total PWR / Input Voltage	30W (100-240V)	
Power Consumption	Standby<7W, Full Load<16W	
Power Supply	Built-in power supply, AC100~240V 50-60Hz 0.56A	
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*180*44.5mm	330*204*44mm
Net /Gross Weight	<1.2kg /<1.8kg	
Installation	Desktop, wall mounted	
Certification & Warranty		
Lightning protection / Protection level	Lightning protection: 2KV 8/20us; Protection level: IP30	
Certification	CCC,CE mark, commercial, CE/LVD EN60950,FCC Part 15 Class B; RoHS	
Warranty	3 years, lifelong maintenance.	

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DIMENSION

A. Work indicator for RJ45 port   B. Power indicator   C. Work indicator for SFP port
D. 16* 10/100/1000M RJ45 ports   E. 2* 1000M uplink SFP ports

APPLICATION

BC2116G2F Series

18-port Gigabit Ethernet Fiber Switch

PACKING LIST

	Content	Qty	Unit
PACKING LIST	18-port gigabit Ethernet fiber switch	1	SET
	AC Power Cable	1	PC
	Mounting Kits	1	SET
	User Guide	1	PC