

BC2124G2F

26 port Full Gigabit Ethernet Fiber Switch

Datasheet



Ideal for:



Telecom



Hotels & Resorts



Universities



Healthcare



Public Places



Airport



Transport



Industries

Overview

The BC2124G2F is an unmanaged gigabit Ethernet fiber switch. It has 24*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.

Interface Characteristics

Fixed Port	24*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	10BASE-T: Cat3,4,5 UTP(≤100 meter)
Transmission	100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)

Power Supply

Total PWR / Input Voltage	30W (100-240V)
Power Consumption	Standby<8W, Full Load<20W
Power Supply	Built-in power supply, AC100~240V 50-60Hz 0.56A

FEATURES

Full gigabit rate
High speed transmission
Stable and Reliable
CCC, CE, RoHS
Low power consumption
Easy to operate
User friendly

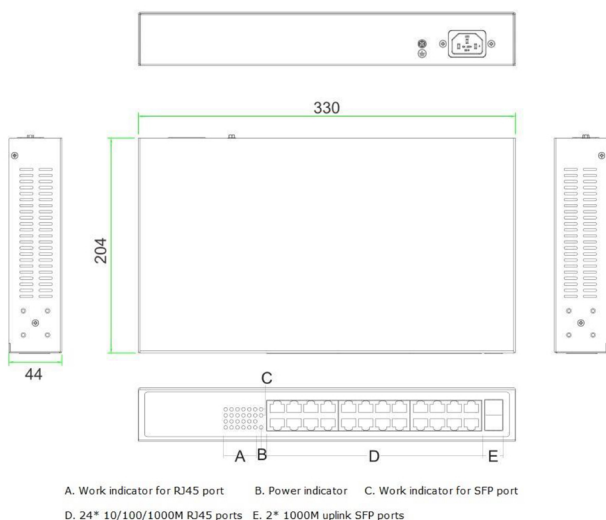
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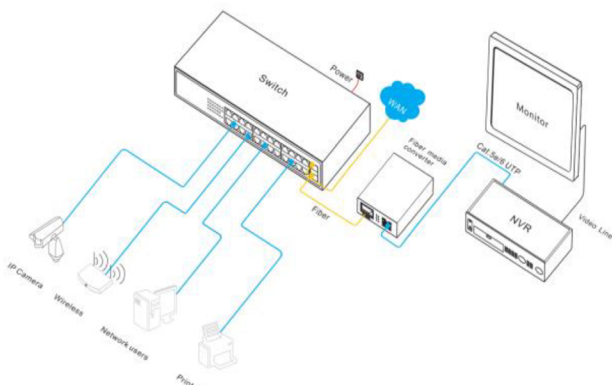
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DIMENSION



APPLICATION



TECHNICAL SPECIFICATION

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	52Gbps (Non-blocking)
Forwarding Rate@64byte	38.69Mpps
MAC	8K
Buffer Memory	4M
LED Indicator	Power: PWR (green), Network:Link/Act(green)

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)	330*204*44mm
Net /Gross Weight	<2.1kg /<2.8kg
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	1 year, lifelong maintenance