

# 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)<br>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)<br>100BASE-TX: Cat5 or later UTP(≤100 meter)<br>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

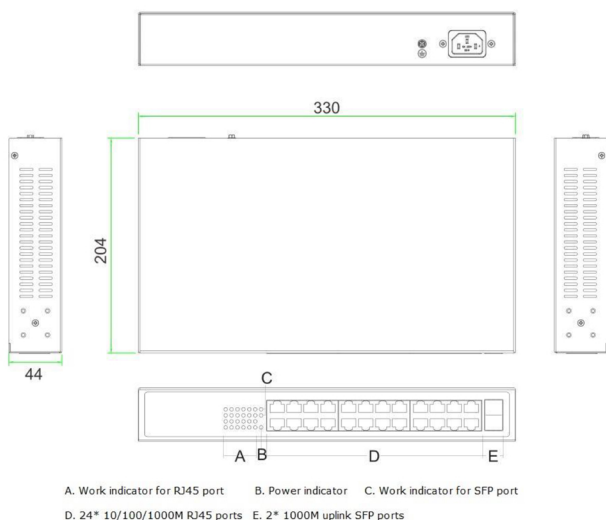
Full gigabit rate  
High speed transmission  
Stable and Reliable  
CCC, CE, RoHS  
Low power consumption  
Easy to operate  
User friendly

# BC2124G2F

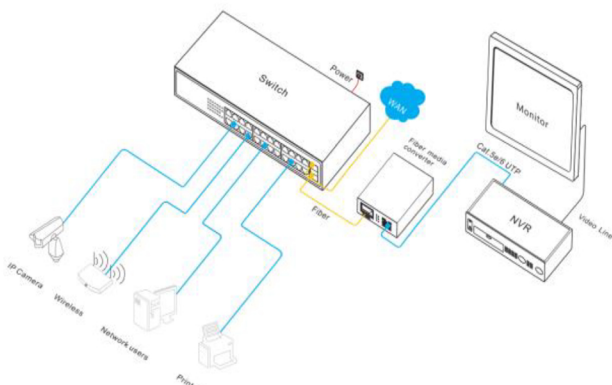
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## DIMENSION



## APPLICATION



## TECHNICAL SPECIFICATION

### Chip Parameter

|                        |                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Network Protocol       | IEEE802.3 10BASE-T, IEEE802.3i 10Base-T<br>IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-TX<br>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                                      |