

**BCG-24044**  
**24 -Port Fiber Switch 24 x 1000Base-X (SFP Slot) +**  
**4 x 10/100/1000 Base-T or 4 x 1000Base-X SFP slot Combo**  
**Layer-2, Unmanagement.**



**Overview**

The BCG-24044 Unmanaged SFP Fiber Ethernet Switch is a high performance Layer 2 Gigabit Ethernet switch for service providers. The switch provides an uplink port 4\*COMBO (4x10/100/1000 Base-T or 4\*1000Base-X SFP slot) and 24\*1000BaseX SFP slot on the downstream port.

The BCG-24044 switch is designed for emerging Ethernet-based FTTX applications. The switch is feature-rich and widely used. It is especially suitable for access networks and small-to-medium-sized private networks. The appearance is 19 inches and only 1U. With a high standard rack, the switching chip adopts multiple newest PHY integration combinations from the United States, and has the highest Gigabit port density, providing users with the best performance/price ratio

The BCG-24044 series switches mainly include FTTx, fiber-optic LAN, industrial Ethernet, Ethernet-based high-reliability industrial distributed control system (DCS) and optical fiber digital video surveillance systems. Support universal hot-swappable SFP optical modules. It can be connected to fiber switches, optical transceivers, and various types of terminators that contain fiber interfaces. It supports super-high-definition video streaming capabilities, streamline network structures, and can provide up to 56Gbps of switching capacity. It can meet the different requirements of large-scale network convergence or small and medium-sized network cores. All ports support line-speed forwarding and MDI/MDIX auto-flip function, which enables plug- and-play operation without management.

**Features**

- Uplink port 4\*COMBO (4x10/100/1000Base-T or 4\*1000Base-X SFP slot), Downlink port 24\*1000BaseX SFP slot
- Compatible with single-mode/multi-mode, single-fiber/double-fiber SFP optical modules, or electrical modules (hot swappable)
- Supports multiple modes of SFP optical modules or modular plugs
- Standard 1U rack design, built-in dual cooling fans, stable operation
- Low power consumption (24W), low heat generation, good stability
- RJ45 supports automatic MDI / MDI-X function
- Auto-negotiate speed, half/full duplex
- Supports flow control to prevent broadcast storms
- Store and Forward Mode
- Jumbo Frame Support 10kbytes
- AC90-264V wide range power input

**Applications**

- Campus Area Networking
- Enterprise Remote LAN Extension
- Metro Ethernet Distribution
- ISP Backhaul Networking

**Technical Specifications**

<b>Standards</b>	IEEE802.3 10Base-T IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-SX/LX standards IEEE802.3x Flow control and back pressure IEEE802.1d Spanning Tree
<b>Performance</b>	Processing Type: Store and Forward Back bandwidth: 56Gbps MAC Table Size: 16Kbit Packet Buffer Size: 6Mbit Time Delay: <5μs Frame: 10Kbytes
<b>Copper Port</b>	Data Rate: 10/100/1000M Connector: 4xRJ45(shielded) Distance: 100m
<b>Fiber Port</b>	Data Rate: 1.25G Connector: 24*1000Base-X(SFP)
<b>LED indicators</b>	PWR (Red light); G1~G24(Optical port indicator) G25~G28(Combo port indicator)
<b>Power</b>	AC: 90~264V/47~ 67Hz
<b>Environment</b>	Operating temperature: -20~65°C Storage Temperature: -40~85°C Relative Humidity: 5-95% (no condensation)
<b>Physical Characteristics</b>	Dimension: 440*195*45mm Weight: 2.5kg (Does not include optical modules)

**Order Informations**

Part No.	Descriptions
BCG-24044	24 -Port Fiber Switch 24 x 1000Base-X (SFP Slot) + 4 x 10/100/1000 Base-T or 4 x 1000Base-X SFP slot Combo Layer-2, Unmanagement.