

# EX1624G4M Series

## 24-Port Gigabit Ethernet Switch with 4-Port Mini-GBIC



### Overview

Easily boost your networking throughput; the switch equips 24 Gigabit ports that lead you to a real Gigabit connection. Users are now able to transfer large and high bandwidth-needed files faster and hence get a real efficiency improvement. In addition to the copper ports, 4 of those ports support fiber connection with the equipped Mini-GBIC ports for obtaining long-distance communication. The switch offers users with fast and reliable network. The store-and-forward architecture filters errors and forwards packets in a non-blocking environment. Flow control ensures the correctness of data transmitting. The 802.3x and backpressure flow control mechanisms work respectively for full and half duplex modes. The switch features with easy installation and maintenance. It supports Nway auto-negotiation protocol that detects the networking speed (10/100/1000 Mbps) and the duplex modes (Full/Half) automatically. Auto-MDI/MDI-X function alleviates the effort to use crossover cables. Also, rich diagnostic LEDs are provided for users to get real-time information of the connection status.

### Features

- ▶ Four Mini-GBIC port for optional fiber optical communication, supports auto-detection for Mini-GBIC module inset
- ▶ Supports 9K Bytes Jumbo frame
- ▶ 8192 MAC addresses
- ▶ 500K Bytes buffer memory
- ▶ 1000Mbps-Full-duplex, 10/100Mbps-Full/Half-duplex, Auto-Negotiation, Auto-MDI/MDIX
- ▶ Full wire-speed forwarding rate
- ▶ 100 ~ 240VAC, 50 ~ 60Hz Internal Universal PSU
- ▶ 0°C to 45°C (32°F to 113°F) operating temperature range
- ▶ Metal case
- ▶ Supports Rack Mounting installation

### Specifications

#### Technology

##### Standards:

- IEEE802.3 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-SX/1000Base-LX, IEEE802.3x

##### Forward and Filtering Rate:

- 14,880pps for 10Mbps
- 148,810pps for 100Mbps
- 1,488,100pps for 1000Mbps

##### Packet Buffer Memory:

- 500K Bytes

##### Processing Type:

- Store-and-Forward
- Half-duplex back-pressure and IEEE802.3x full-duplex flow control

##### Address Table Size:

- 8192 MAC addresses

#### Power

##### Input:

- 100 ~ 240VAC, 50 ~ 60Hz Internal Universal PSU

#### Mechanical

##### Casing:

- Metal case

##### Dimensions:

- 441mm (W) x 130mm (D) x 44mm (H)  
(17.36" (W) x 5.12" (D) x 1.73" (H))
- Standard 19" rack-mount size, one-unit-height

##### Weight:

- 1.5Kg (3.3lbs.)

##### Installation:

- Rack Mounting

#### Environment

##### Operating Temperature:

- 0°C to 45°C (32°F to 113°F)

##### Storage Temperature:

- -10°C to 70°C (14°F to 158°F)

##### Ambient Relative Humidity:

- 10% to 90% (non-condensing)

#### Interface

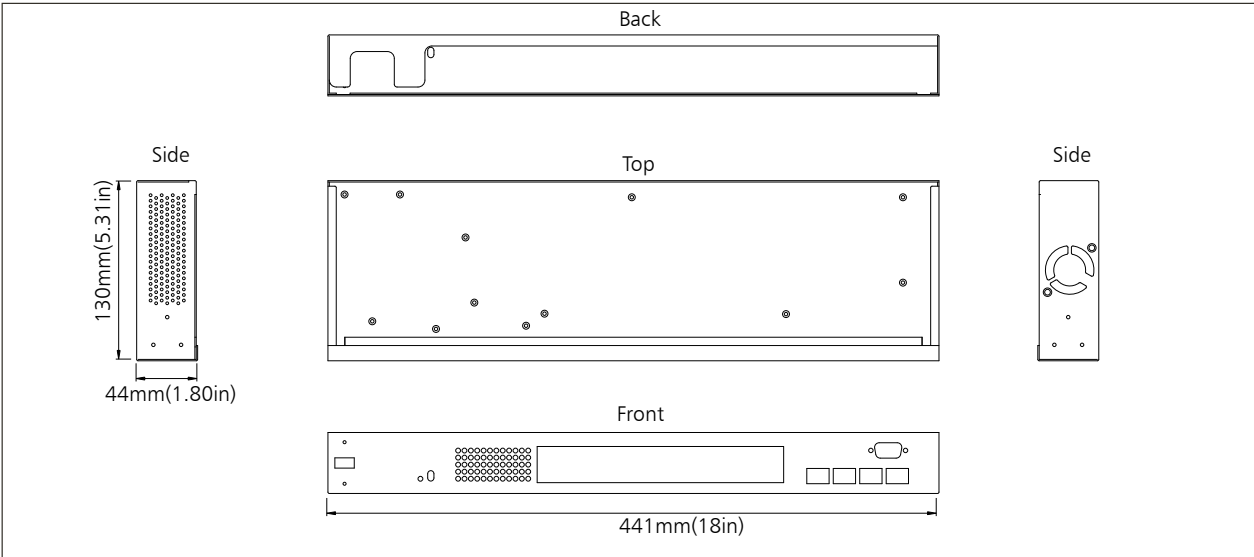
##### LED Indicators:

- Per Unit: Power Status (Power)
- Per Port: 10/100TX: Link/Activity (Green)  
10/100/1000TX, 1000SX/LX: Link/Activity (Green)

#### Regulatory Approvals

- ISO: Manufactured in an ISO9001 facility
- Emission Compliance: CE Mark Class A, FCC Part 15 Class A, VCCI Class A

## Diagrams



## Ordering Information

EX1624G4M	24-port Gigabit Ethernet Switch with 4-port Mini-GBIC
-----------	---