



The eGig Fast Ethernet Switch is a rack-mount-sized switch with 24-port 10/100Mbps ports plus 2 Gigabit modules. This switch is designed with multi-function performance to offer the perfect solution for the office workgroup.

### Product Features

- Fully compliant with IEEE 802.3 10BASE-T, IEEE802.3u 100BASE-TX, IEEE802.3z 1000BASE-SX, 1000BASE-LX, IEEE802.3ab 1000BASE-T Standards
- 24 10/100Mbps Fast Ethernet ports
- 2 Gigabit Ethernet optional slots, each allowing for a single-port Gigabit Ethernet Switch module: 1000BASE-SX, 1000BASE-LX, or 1000BASE-T
- Non-blocking and non-head-of-line-blocking full wire speed forwarding provided
- 16K MAC addresses
- 96 Mbits dynamic packet buffer allocation for each port. - Total 8,000 Packet Capacity
- Store-and-forward switch mode
- Automatic learning of network configuration
- Broadcast storm control
- Flow control fully supported:
  - Half-duplex mode: Collision-based Congestion Control
  - Full duplex mode: 802.3x compliant Flow Control
- Status LEDs:
  - Gigabits copper module: 100M, 1000M, Full Duplex, Link/Activity.
  - Gigabits fiber module: Link/Activity.
  - 10/100TX port: Link/Act, Speed, Full Duplex/Collision.
  - System: Power
- All 100Base-TX or 1000Base-T (twisted pair) ports support Auto MDIX crossover capabilities
- Front panel reset button provided



### Specifications

- Standards Compliance
  - IEEE 802.3 10BASE-T; IEEE 802.3u 100BASE-TX
  - IEEE 802.3z 1000BASE-SX, 1000BASE-LX
  - IEEE 802.3ab 1000BASE-T
- Protocol:
  - CSMA/CD
- Number Of Ports
  - 24 integrated ports (10/100Mbps Nway port)
  - 2 optional Gigabit Ethernet modules
- Fully Flow Control Supported
  - Half-duplex mode: Backpressure
  - Full-duplex mode: IEEE 802.3x Network Transmission
- Media
  - 10BASE-T Cat. 3, 4, 5 UTP/STP
  - 100BASE-TX Cat. 5 UTP/STP
  - 1000BASE-T Cat5, 5e, 6 UTP/STP
- Network Status Monitoring LEDs
  - System: POWER
  - 10/100TX port: LINK/ACT, 10/100M and FDX
  - Gigabit TP port: 100M, 1G, Link/ACT and FDX
  - Gigabit Fiber port: Link/ACT
- Buffer Memory
  - RAM: 96Mbits per device
- MAC Address
  - Up to 16K per device
- Filter/Forward Rate
  - Packet Filtering/ Forwarding Rates (By 64 packet length)
  - 1000Mbps port - 148,800pps
  - 100Mbps port - 148,800pps
  - 10Mbps port - 14,880pps
- Power
  - AC input (90-240V/AC, 50-60Hz)
- UL Safety Power Consumption
  - 23 Watts (Max)
- Operating Temperature
  - 0°C ~ 60°C Store

- Temperature 20°C ~ 90°C
- Humidity 10% ~90% RH (Non-condensing)
- Dimension (L x W x H) 440mm x 220mm x 44mm
- Weight 3.2Kg
- Warranty 1 Year

### CONVERSION SLOTS

- Compliance
  - MTX -- IEEE802.3ab 1000Base-T Standard
  - MLS -- IEEE802.3z 1000Base-SX Standard
  - MSS -- IEEE802.3z 1000Base-SX Standard
- Ports
  - MTX -- 1 x 1000 Mbps STP port (RJ-45)
  - MLS -- 1 x 1000Base-LX Fiber Port (SC)
  - MSS -- 1 x 1000Base-SX Fiber Port (SC)
- Cable
  - MTX -- Cat 5, 5e, or 6 twisted pair cable
  - MLS -- 62.5/125 um (220m/721 ft) multimode optic cable
  - 50/125um (500m/1640 ft) multimode optic cable
  - 9/125 um (10Km) single-mode optic cable
  - MSS -- 62.5/125 um (220m/721 ft) multimode optic cable
  - 50/125um (500m/1640 ft) multimode optic cable
- Jumper-less configuration
- Full duplex operation only
- LED indicators
  - MTX -- LED indicators for 1000M, 100M, Link/ACT, and FDX
  - MLS & MSS -- LED indicators for Link/ACT

### Ordering Information

eG2G24T	24-port 10/100 Switch w/2 Gigabit Expansion Slots
eG2G24T-MTX	1-port 1000BASE-T Module for eG2G24T
eG2G24T-MSS	1-port 1000BASE-SX Module w/ SC connector for eG2G24T
eG2G24T-MLS	1-port 1000BASE-LX Module w/ SC connector for eG2G24T

Specifications in this document are subject to change without notice.