



## 24-Port L2 Managed Gigabit Switch, 2 x SFP/RJ45 Combo

The GEL-2460 is a 24-Port, layer 2 wire-speed, intelligent managed gigabit switch. It offers 24 x 10/100/1000M auto-negotiation ports with 2 SFP combo ports. All RJ-45 ports support auto MDI/MDI-X. The GEL-2460 provides non-blocking wire-speed performance on all ports, making it ideal for use at the core of large networks, in data centres and areas of high traffic volume such as internet cafes and libraries. The switch operates in both port speed and duplex mode, featuring auto-negotiation to enhance operability. The device also supports Jumbo frame, configurable to a maximum frame size of 1518-9600 bytes, as well as store-and-forward switching and SNMP, along with a host of other features.

### Key Features

- IEEE 802.1d/w Spanning Tree Protocol (STP) and port mirroring
- 24 Gigabit Ethernet ports and 2 Gigabit SFP slots
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- IEEE 802.3ad LACP for auto port aggregation
- Supports Command Line Interface (in RS-232 Console)
- Web-based and SNMP Management

### Specifications

#### System Specifications

##### Standards & Protocols:

IEEE 802.3 10-BASE-T, Ethernet  
IEEE 802.3u 100-BASE-TX, Fast Ethernet  
IEEE 802.3ab 1000BASE-T, Gigabit Ethernet  
IEEE 802.1p Quality of Service (QoS)  
IEEE 802.1Q Virtual LANs (VLANs)  
IEEE 802.1D MAC Bridges  
IEEE 802.1d Standard Spanning Tree Protocol (STP)  
IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)  
IEEE 802.3ad Link Aggregation Control Protocol (LACP)

##### Memory:

32Mb

##### Buffer Memory:

4Mb

**Connectors and Cabling:**

24 x 10/100/1000Base-T RJ-45 Ports  
2 x 1000Base-X SFP Slots(Combo)

**Button:**

Reset Button

**Indicator:**

Power, Link/Active

**Transmission Method:**

Store-and-Forward

**Power:**

Power Consumption: < 40W

Power Input: 100-240V AC, 50-60 Hz

**Features****General:**

Quality of Service(QoS):

- Port-based priority
- Support IEEE 802.1p priority
- Support flow statistics on each port
- Support real-time display of bandwidth on each port

IEEE 802.1D/w Spanning Tree with Loopback detection, Auto edge port & BPDU filter/guard

**VLAN:**

- Support port-based VLAN
- Support uplink port (One port can belong to more than one VLAN)
- Support 802.1Q VLAN

Port Mirroring - user-defined mirroring port and mirrored port.

Support dynamic link aggregation LACP.

**Security:**

Storm Control:

Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port

MAC Address Table and Security:

- Support MAC address auto learning
- Support MAC address aging
- Support MAC address statistics
- Support MAC address learning/binding
- Support MAC address table management
- Support port security control, static address table and dynamic MAC address management

Port security: static and dynamic

Filtering: Port-/MAC-/IP-based security

Port security:

- Port Flow Control, Support back pressure flow control in half duplex, Support IEEE 802.3x flow control in full duplex
- IP filter configuration for management interface (SNMP, Telnet, Web)
- Dynamic ARP Inspection, Link detection

**Management:**

Support Web user interface

Support IP address modification

Support DHCP client

Support password modification

Support auto log out

Support system log

Support SNTP

Support the limitation of multi-user management at the same time

Support firmware upgrade through HTTP (file-format check)

Support resetting the device to the Factory Default Settings  
Support CLI console port

## Performance

### Backplane (Gbps):

Switching Capacity: 48Gbps

Forwarding Rate: 36 Mpps

### MAC Address Table:

8K

### Data Transfer Rate:

10/100/1000Mbps

### Packet Forwarding Rate:

1000Mbps port - 1,488,000pps

100Mbps port - 148,000pps

10Mbps port - 14,880pps

### Jumbo Frame (K):

9K

## Environment

### Temperature (°C):

Operating: 0°C ~ 45°C

Storage: -10°C ~ 70°C

### Humidity (Non-condensing):

Storage: 10% ~ 90%

Operating: 10 ~ 90%

### Deployment:

19-inch rack-mountable

## Physical Specifications

### Dimensions (W x D x H mm):

440 x 230 x 44 mm

### Weight (g):

2980g

## Others

### Approval and Compliance:

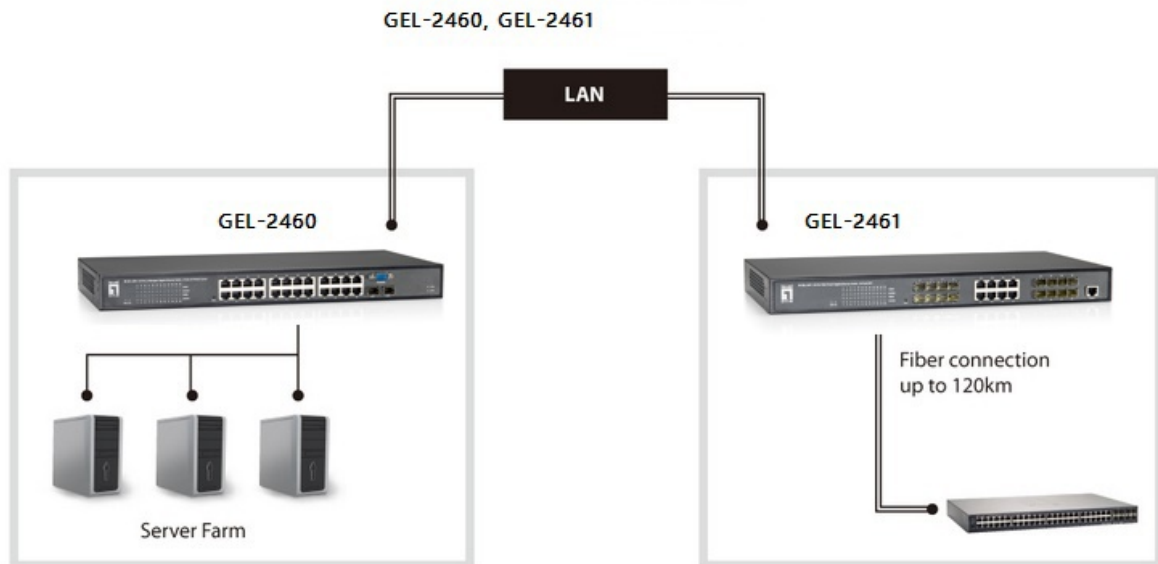
FCC Part 15 Class A, CE, RoHS



## Diagram

— Ethernet Cable (RJ-45)

== Fiber



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## Order Information

GEL-2460

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## Package Contents

GEL-2460  
Power Cord  
Quick Installation Guide  
Resource CD (User Manual, QIG)  
Bracket  
Console Cable

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