



## 24-Port-Web Smart-Gigabit-Switch, 16 x SFP

GEL-2461 is a 24-Port Web Smart Gigabit Switch, providing secure and intelligent edge connectivity. The device is a Layer 2 wire-speed Ethernet switch, perfect for deployments in small and medium businesses, branch offices, and for running essential business services.

GEL-2461 offers 8 x 10/100/1000M auto-negotiation ports and 16 SFP combo ports. All RJ-45 ports support auto MDI/MDI-X, with SNMP and Full/Half duplex transfer mode for 10 and 100Mbps ports as well as Full duplex transfer mode for 1000Mbps ports. Supports Jumbo frame, MAC address auto-learning and a host of other features such as security logs and detailed traffic statistics for each port.

### Key-features

- IEEE-802.1d/w Spanning Tree Protocol (STP) und Port-Spiegelung
- Ports de 8 Gigabit Ethernet Ports + 16 Gigabit SFP Slots
- unterstützen Port-basiertes VLAN, IEEE 802.1Q-VLAN-Tagging
- IEEE-802.3ad LACP für Auto-Port-Aggregation
- Unterstützt Befehlszeilenschnittstelle (in RS-232-Konsole)

### 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

##### Pufferspeicher:

4Mb

##### Connectors and Cabling:

8 x 10/100/1000Base-T RJ-45 Ports  
16 x 1000Base-X SFP Slots

**Taster:**

Reset Button

**Indikator:**

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:

Support broadcast storm control

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 switch discover

Support password modification

Support auto log out

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 Console port

## Performance

### Backplane (Gbps):

Switching Capacity: 48Gbps

Forwarding Rate: 36 Mpps

### MAC-Adresstabelle:

8K

### Datenrate:

10/100/1000Mbps

### Weiterleitungsrate:

1000Mbps port - 1,488,000pps

100Mbps port - 148,000pps

10Mbps port - 14,880pps

### Jumbo-Frames:

9K

## Environment

### Temperatur (°C):

Operating: 0°C ~ 45°C

Storage: -10°C ~ 70°C

### Luftfeuchtigkeit (nicht kondensierend ):

Storage: 10% ~ 90%

Operating: 10 ~ 90%

## Physical Specifications

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

440 x 230 x 44 mm

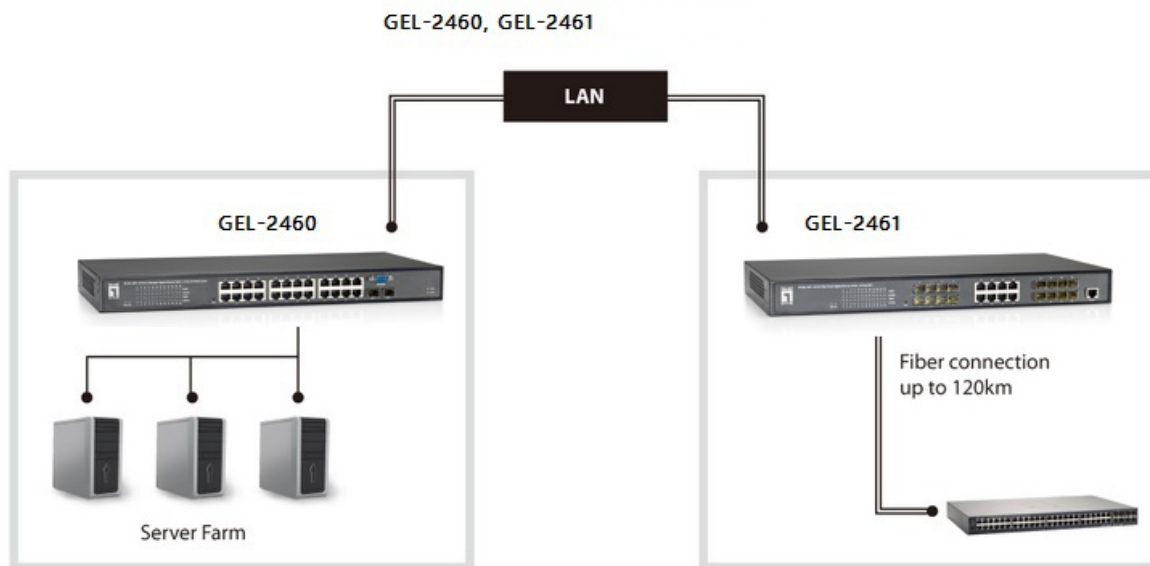
### Gewicht:

3040g



## Diagramm

- Ethernet Cable (RJ-45)
- == Fiber



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## Order Information

GEL-2461

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## Package Contents

GEL-2461  
Stromkabel  
Quick Installation Guide  
Ressource CD (Bedienungsanleitung, QIG)  
Klammer  
Konsolenkabel

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