![LevelOne logo]

GEL-2461 Version: 1

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) and port mirroring
- 8 Gigabit Ethernet ports and 16 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)

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

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:
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 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%

Physical Specifications
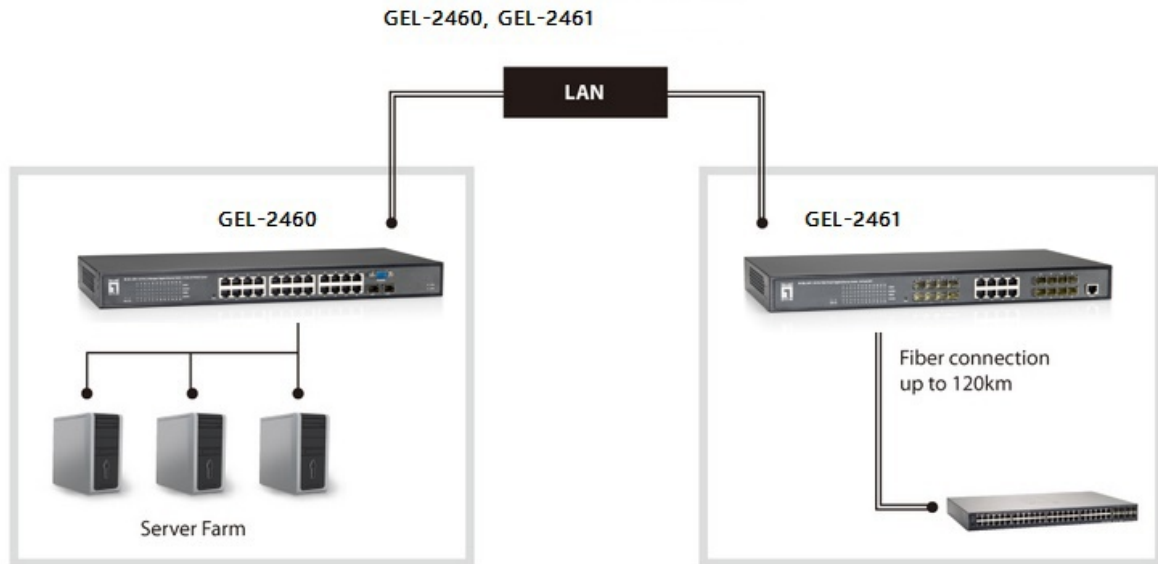
Dimensions (W x D x H mm):
440 × 230 × 44 mm

Weight (g):
3040g

Diagram

─── Ethernet Cable (RJ-45)

═══ Fiber

GEL-2460, GEL-2461

GEL-2460

Server Farm

GEL-2461

Fiber connection up to 120km

Order Information

GEL-2461

Package Contents

GEL-2461
Power Cord
Quick Installation Guide
Resource CD (User Manual, QIG)
Bracket
Console Cable