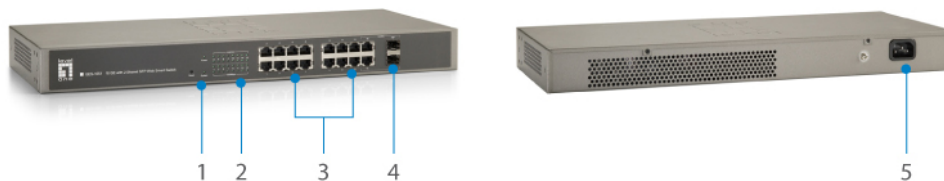




## 16 GE with 2 Shared SFP Web Smart Switch

LevelOne GES-1651 is a powerful, high-performance Gigabit Ethernet switch with 16 10/100/1000Mbps ports shared 2 SFP(mini GBIC) ports, providing you a cost-effective, space-saving solution for expanding your network. The gigabit ports can lead you to a real gigabit connection, making you be able to transfer high bandwidth-needed files larger and faster in an easy way. And the two gigabit SFP ports allow you to add fiber-optic connectivities for connecting to other network switches to obtain long-distance communication. This GES-1651 device provides the easy management function, the network administrator can configure the status and the port function setting of the device through the Web-Based UI. When installing the auto-discovery management tool helps network managers to search and access those switches on LAN easily. Therefore, network managers can access switches that support autodiscovery on LAN without memorizing IP address.



1. Reset Button
2. LED Indicators
3. 10/100/1000Mbps Ports
4. SFP Slot
5. Internal Power Socket

### Key Features

- 16 Gigabit Ethernet ports with 2 shared SFP slots
- Transmisión y recepción a 10/100/1000 Mbps a velocidad de cable
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) y duplicación de puertos
- Cds IEEE 802.1p con 4 colas de prioridad
- Admite redes VLAN basadas en puertos, etiquetado VLAN IEEE 802.1Q
- Filtrado IP Multicast a través de indagación IGMP V1/ V2/ V3
- 10000 marcos jumbo para aumentar las velocidades de transferencia de datos
- Admite aprendizaje automático y envejecimiento automático de 8000 direcciones MAC
- Carcasa metálica de 19"
- Fuente de alimentación interna



## Specifications

### System Specifications

**Processor:**

Broadcom BCM53313S + BCM54684

**Buffer Memory (KB):**

4086KB

**Connectors and Cabling:**

16 x RJ-45 10/100/1000BASE-T ports  
2 x 100/1000Base-X SFP Slots (2 shared)

**Button:**

Reset Button

**Indicator:**

Power, System, Link/Active, 1000Mbps

**Transmission Method:**

Store-and-Forward

**Power:**

Power Consumption: 14.7W  
Power Input: 100-240V AC, 50-60 Hz, Internal Power Supply

**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 802.1s Multiple Spanning Tree Protocol (MSTP )  
IEEE 802.3x Flow Control (full-duplex flow control)

### Physical Specifications

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

440 x 180 x 44 mm

**Weight (g):**

2000 g

### Performance

**Backplane (Gbps):**

32Gbps

**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):**

10K

## Features

### General:

Quality of Service (QoS):

4 hardware Priority Queues per port

Traffic classification based on IEEE 802.1p CoS, DSCP, Supports WRR, Strict scheduling, or hybrid mode

Rate Limiting - Ingress resolution; Egress resolution

Spanning Tree:

IEEE 802.1D MAC Bridges

IEEE 802.1d Spanning Tree Protocol (STP)

IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)

IEEE 802.1s Multiple Spanning Tree Protocol (MSTP )

Loop/Root Guard, TC-BPDU Guard, BPDU Guard/Filter

Virtual Local Area Network (VLAN):

802.1Q tag-based VLAN - up to 4096 VLAN IDs

### Security:

Storm Control:

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

Access Control:

HTTPS; Manage VLAN assignment

Port security: access control port-based

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

### Management:

Diagnosis:

syslog

Network:

RMON (groups 1, 2, 3 and 9) Management; SNMP v1, v2c, v3; DNS client, proxy; HTTPs

### Ease of Use:

Firmware and Configuration: upgrade/downgrade via HTTP

## Environment

### Temperature (°C):

Operating: 0°C ~ 40°C

Storage: -40°C ~ 70°C

### Humidity (Non-condensing):

Storage: 5% ~ 90%

Operating: 10 ~ 90%

## Others

### Approval and Compliance:

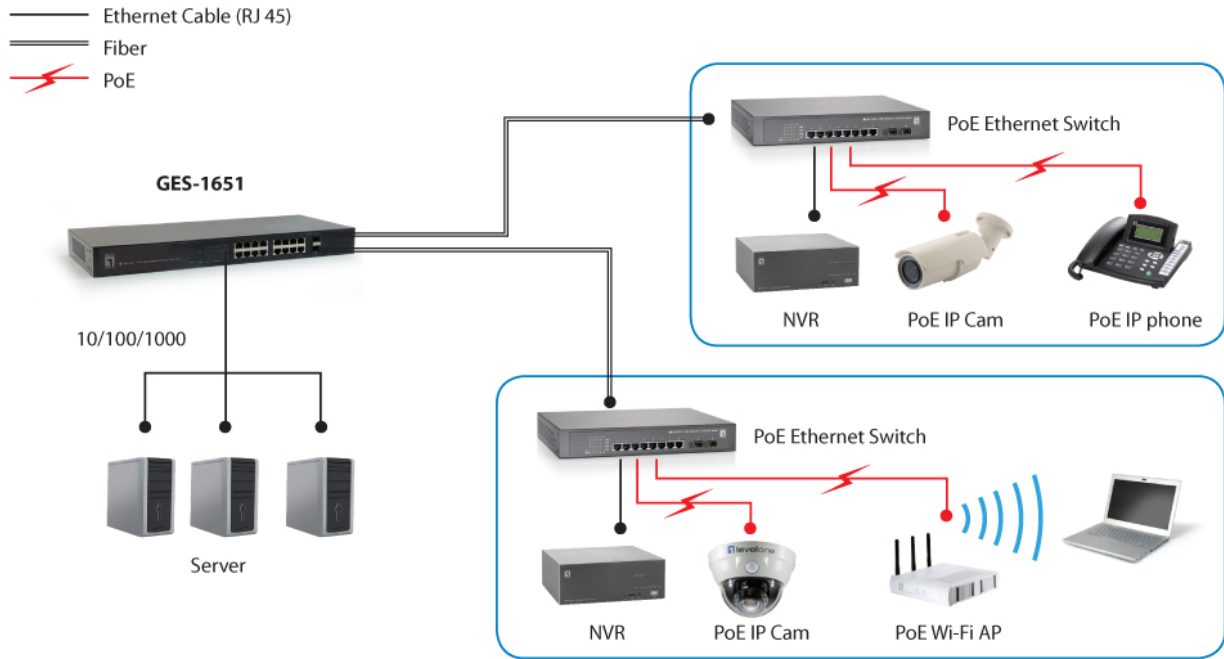
FCC Part 15 Class A, CE

### Deployment:

19-inch rack-mountable



## Diagrama



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## Order Information

GES-1651

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## Package Contents

Power Cord  
19" Rackmount Kit  
Rubber Feet  
Quick Installation Guide  
Resource CD (User Manual)

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