



8 GE with 1 Combo SFP Web Smart Switch



GES-0852

H/W Version: 1

Gigabit Ethernet Solution

LevelOne GES-0852 Gigabit switch equips 8 Gigabit ports that lead you to a real Gigabit connection. Users are now able to transfer large and high bandwidth-needed files faster and hence get a real efficiency improvement. In addition to the copper ports, the one of the ports support fiber connection with the equipped SFP ports for obtaining long-distance communication.

Fast and Reliable Technology

GES-0852 offers users with fast and reliable network. The store-and-forward architecture filters errors and forwards packets in a nonblocking environment. Flow control ensures the correctness of data transmitting. The 802.3x and backpressure flow control mechanisms work respectively for full and half duplex modes. This device supports Nway auto-negotiation protocol that detects the networking speed and the duplex modes

(Full/Half) automatically. Auto-MDI/MDI-X function alleviates the effort to use crossover cables

Web-based Management Interface

Friendly web management features are ready for users easily to configure and maintain the device through a general web browser. You can partition the switch into 8 groups using port-based VLAN technology. This switch also supports Quality of Service (QoS) to prioritise traffic for time-sensitive application.

Easy to Use

For instant error detection, the switch is equipped with a full range of LEDs to help you monitor and troubleshoot problems on your network. The slim and unique design fits easily in any space-limited location. Users can locate the switch on the desktop. With the accessory kits, the switch can either be stacked or mounted to the rack to save space.



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

Key Features

- Complies with IEEE 802.3, 802.3u, 802.3ab and 802.3z
- 8 x 10/100/1000 Mbps RJ-45 Nway ports
- 1 x SFP for optional fiber optical communication
- Up to 16Gbps Backplane bandwidth
- Supports 8K absolute MAC addresses entries
- Supports 180K Bytes RAM for data buffering
- Supports 9K bytes Jumbo frame
- Front-panel diagnostic LEDs
- Supports back-pressure (half duplex) and flow control (IEEE 802.3x)

Related Products



GSW-1657

16-Port Gigabit Ethernet Switch



GSW-2420

24-Port Gigabit Ethernet Switch

Technical Specification

Standard Compliance

IEEE Standards Compatibility

- IEEE 802.3 10Base-T Ethernet
- IEEE 802.3u 100Base-TX
- IEEE802.3ab 1000Base-T
- IEEE802.3z Gigabit Fiber
- IEEE802.3x Flow Control and Back Pressure
- IEEE802.1p QoS
- IEEE802.1Q VLAN Tag

Hardware Specification

Network Interface

- 8 x 10/100/1000 Mbps RJ-45 Ports
- 1 x SFP (shared with 8th Gigabit Port)

LED Indicators

- Per Device: Power
- Per Port: 10/100M/1000M Link/Act(Green)

Performance Specifications

- Forwarding modes: Store-and-forward
- Back-plane (Switching Fabric): 16Gbps
- Packet buffer memory: 180K Bytes
- Mac Address : 8K MAC address table

Electrical Specifications

- Power consumption: 6.24 Watts (Max)
- Voltage: 100 ~ 240 VAC, 50-60 Hz

Physical Specifications

- Dimensions: (w x d x h) 270 x 187 x 43 mm
- Weight: 1.24 kg

Environmental Specifications

- Operating temperature: 0° to 40°C
- Operating humidity: 10%~90% (Noncondensing)

EMI and Safety

- CE
- FCC Part 15 Class A
- VCCI-A

Software Specification

VLAN

- Tag VLAN (8 entries)
- VLAN ID (Up to 4K, VLAN ID can be assigned from 1 to 4094)

Trunk

- 7 Ports per Group / 4 Groups per Device
- Static Trunk

Quality of Service(QoS)

- IEEE802.1p Priority Queues: 4 Queues
- Port Based Priority (High/Medium/Normal/Low)
- TOS
- DSCP

Bandwidth Control

- Support ingress packet filter and egress packet limit

Storm Control

- Broadcast Storm Control
- Multicast Storm Control

Port Mirror

- Support mirroring types: "TX RX both packet".

SNMP

- Support SNMP v1
- RFC 1157
- RFC 1155
- RFC 1212
- RFC 1213

DHCP

- Provide DHCP Client

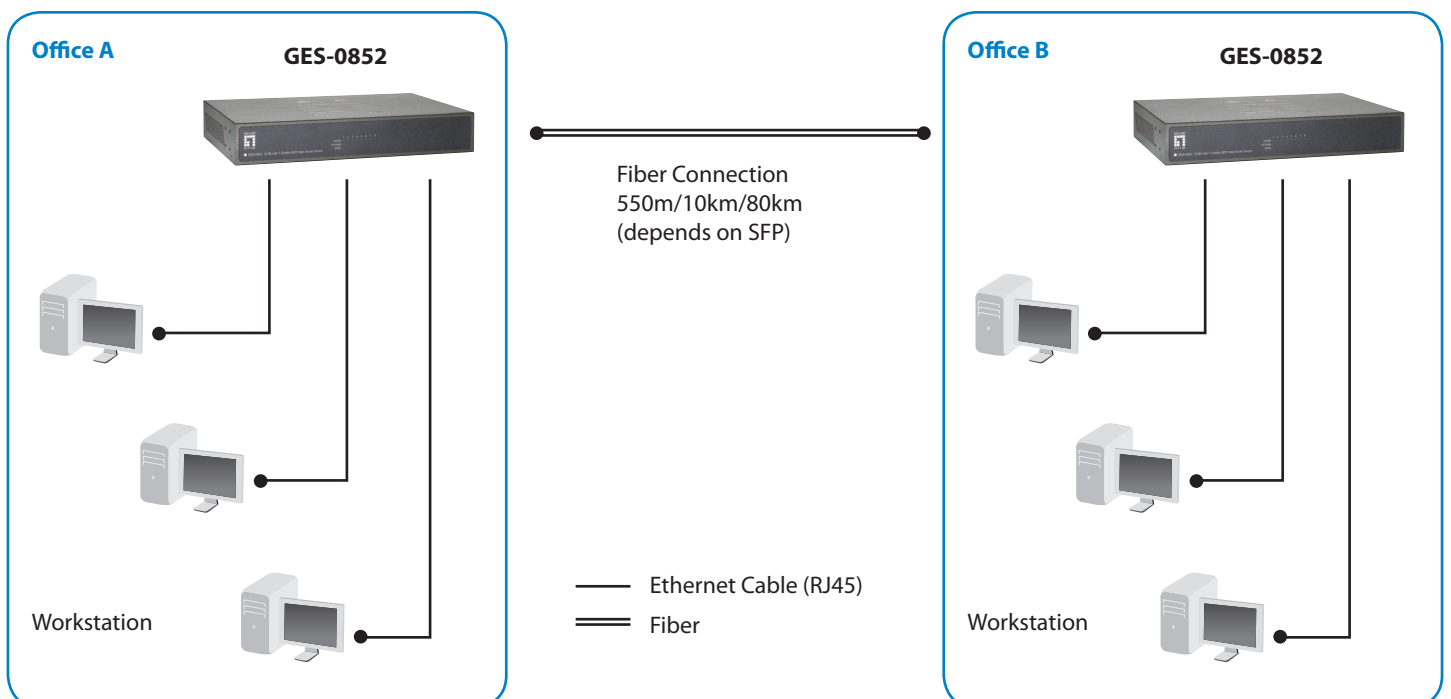
Firmware Update

- Support firmware upgrade via Web

MTBF

- System MTBF: 526677

Product Diagram



Order Information

GES-0852: 8 GE with 1 Combo SFP Web Smart Switch

Package Content

GES-0852
CD Manual
Power Cord
Rack-mount Brackets
Stackable kit

Optional Accessories



GVT-0300
1.25G Multi-mode SFP
Transceiver (up to 550 m)



GVT-0301
1.25G Single-mode SFP
Transceiver (up to 10 km)



GVT-0302
1.25G Single-mode SFP
Transceiver (up to 80 km)