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 ether be stacked or mounted to the rack to save space.

1. LED Indicators
2. SFP Slot
3. 10/100/1000Mpbs 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 engress packet limit

Storm Control
- Broadcast Storm Control
- Multicase Storm Control

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

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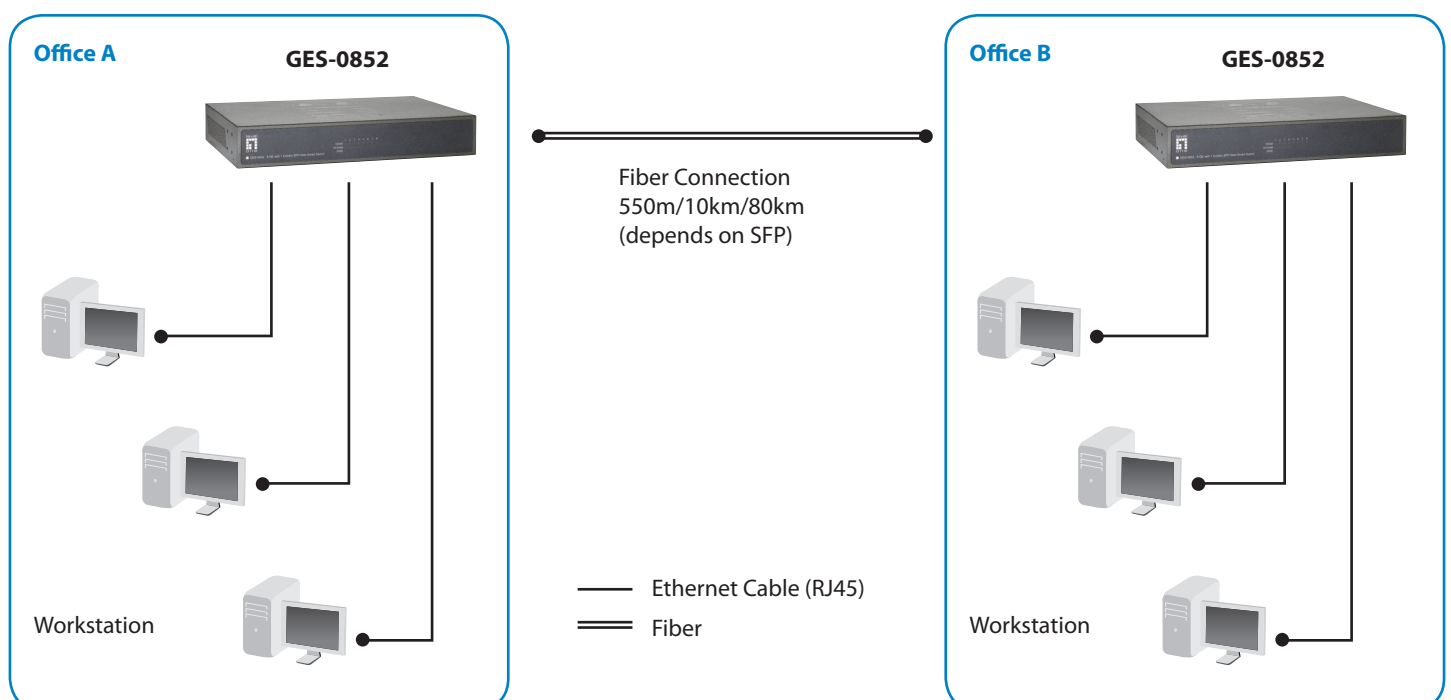- RFC 1155
- RFC 1212
- RFC 1213

DHCP
- Provide DHCP Client

Firmware Update
- Support firmware upgrade via Web

MTBF
- System MTBF: 526677

Product Diagram

Office A   GES-0852

Office B   GES-0852

Fiber Connection
550m/10km/80km
(depends on SFP)

Workstation

Workstation

—— Ethernet Cable (RJ45)

== Fiber

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)

V1.0