



## 8-Port 10/100/1000Mbps w/ SFP Web Smart



GSW-0841

H/W Version: 1

### Gigabit Ethernet Solution

LevelOne GSW-0841 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

GSW-0841 offers users with fast and reliable network. The store-and-forward architecture filters errors and forwards packets in a non-blocking 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 prioritize traffic for time-sensitive applicatio

### 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. LEDs
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 fibre 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 16th Gigabit Port)

#### LEDs

- 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

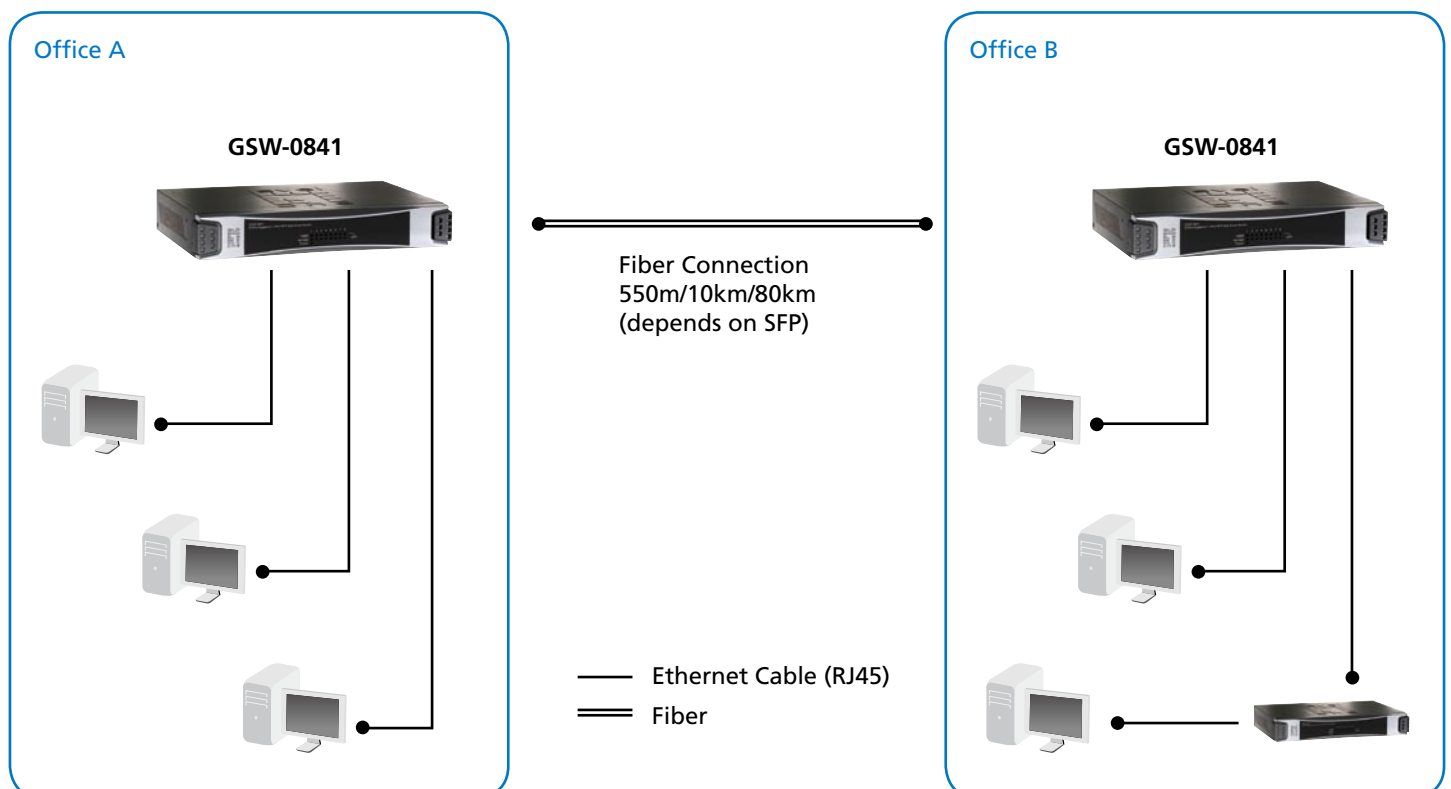
#### Firmware Update

- Support firmware upgrade via Web

#### MTBF

- System MTBF: 526677

## Product Diagram



## Order Information

**GSW-0841:** 8-Port 10/100/1000Mbps w/ SFP Web Smart

## Package Content

GSW-0841  
CD Manual  
Power Cord  
Rack-mount Brackets  
Stackable kit

## Optional Accessories



### **GVT-0300**

Mini GBIC SFP transceiver,  
SX Multi-Mode (550m)



### **GVT-0301**

Mini GBIC SFP transceiver,  
LX Single-Mode (10km)



### **GVT-0302**

Mini GBIC SFP transceiver,  
ZX Single-Mode (80km)