![LevelOne logo]

# 24-Port
# 10/100/1000Mbps
# w/4-Port SFP

GSW-2476

**H/W Version: 1**

## 24Gigabit Port + 4 SFP Web Smart Switch

The LevelOne GSW-2476 is an intelligent Layer 2 Web Smart Switch with 24 10/100/1000 BASE-T ports with 4 shared SFP transceiver slots.
The switch contains 24 RJ-45 ports that operate at 10 Mbps or 100 Mbps, half or full duplex, or at 1000 Mbps, full duplex. All ports on the switch support automatic MDI/MDI-X operation and auto-negotiation, so the optimum transmission mode and data rate can be selected automatically.

## Collapsed Backbone

The GSW-2476 is an excellent choice for Gigabit Ethernet installations where significant growth is expected in the near future. In a basic stand-alone configuration, it can provide direct full-duplex connections for up to 24 workstations or servers. The server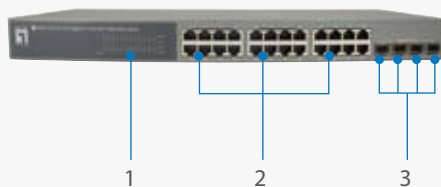 is easily expandable by adding direct full duplex connections to workstations or servers. Further expansion is possible by connecting hubs or switches.

## Remote Connections with Fiber Cable

Fiber optic technology allows for longer cabling than any other media type. A 1000BASE-SX (MMF) link can connect to a site up to 550 meters away, a 1000BASE-LX (SMF) link up to 80 km. This allows a switch stack to serve as a collapsed backbone, providing direct connectivity for a widespread LAN.

## Network Management Options

The switch contains a comprehensive array of LEDs for "at-a-glance" monitoring of network and port status. They also include a management agent that allows you to configure or monitor the switch using its embedded management software.

1. LEDs
2. 10/100/1000Mbps Ports
3. SFP slot
4. Internal Power Socket

## Key Features

- 24 auto-MDI/MDI-X 10/100/1000Base-T ports
- 4 ports shared with 4 SFP transceiver slots
- Non-blocking switching architecture
- Trunking Up to 8 ports per group/ 8 groups port device
- Layer 2/3/4 CoS support through four priority queues
- Full support for VLANs with GVRP
- IGMP multicast filtering and snooping
- Support for jumbo frames up to 9KB
- Manageable via Web

## Works Well With

**GVT-0301**
Mini GBIC Transceiver ( 10KM)

**GNC-0105T**
32-bit Gigabit Ethernet PCI Adapter

## Technical Specifications

### 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
–IEEE 802.1x User Authentication (Radius)

### Hardware Specification

**Physical Interface**
–24 10/100/1000Base-T(Auto Uplink on all ports)
–4 10/100/1000Base-T shared with 4SFP transceiver slots

**LEDs**
–Per port : Link/Act, 1000
–Per device: Power

**Performance Specifications**
–Forwarding modes: Store-and-forward
–Back-plane (Switching Fabric): 48Gbps
–Packet buffer memory: 400K byte
–Mac Address : 8K MAC address table

**Electrical Specifications**
–Power consumption: 28Watts
–Voltage: 100 ~ 240 VAC, 50-60 Hz

**Physical Specifications**
–19-inch Standard Rack-Mount Width, 1U Height
–Dimensions: (w x d x h) 440 x 171 x 43 mm
  (17 x 6.7 x 1.7 in.)
–Weight: 3.72 kg (8.44 lb)

**Environmental Specifications**
–Operating temperature: 0° to 40°C (32° to 104° F)
–Storage temperature: -40° to 70°C (-40° to 158° F)
–Operating humidity: 10%~90% (Noncondensing)

**EMI and Safety**
–CE
–FCC Part 15 Class A

### Software Specification

**VLAN**
–Tag VLAN (256 entries)
–Support Q in Q
–VLAN ID (Up to 4K, VLAN ID can be assigned from 1 to 4096.)

**Trunk**
–8 Ports per Group / 8 Groups per Device
–Static Trunk

**Quality of Service(QoS)**
–IEEE802.1p Priority Queues: 4 Queues
–Port Based Priority (low/normal/middle/high)
–Diffserv

**Bandwidth Control**
–Support ingress packet filter and egress packet limit

**Storm Control**
–Broadcast Storm Control

**Port Mirror**
–Support mirroring types: RX and TX packets

**DHCP**
–Provide DHCP Client

**IGMP snoop**
-Support v1 and v2

**Firmware Update**
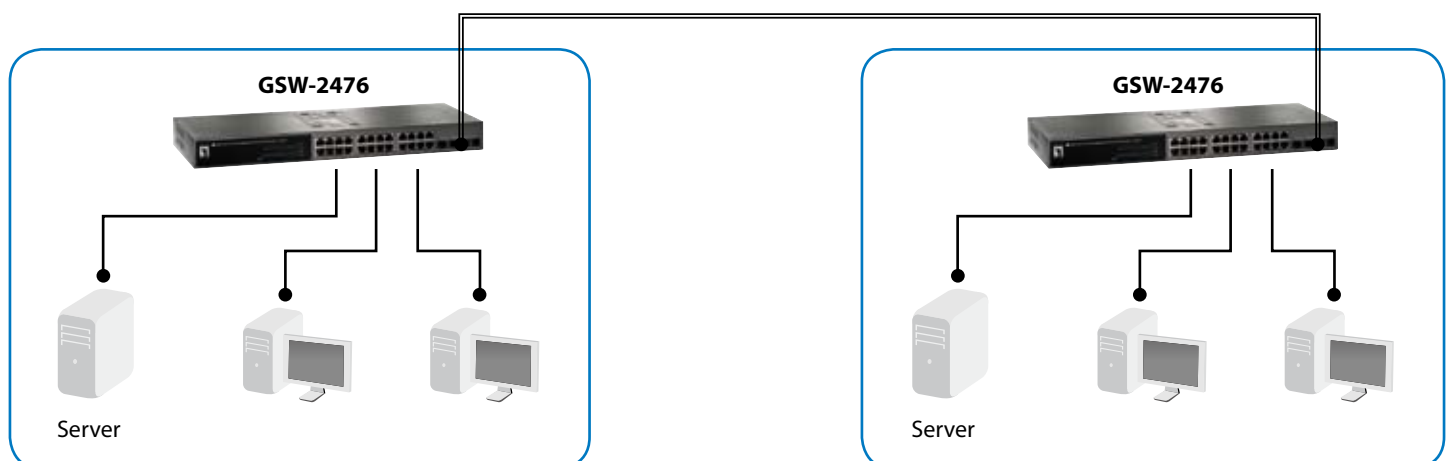–Support firmware upgrade via Web

**MTBF**
-System MTBF 2340816
-System Failure Rate: 427.20145

## Product Diagram

—— RJ 45 (10/100/1000Mbps)
══ Fiber

Fiber Connection up to 80km

| **Order Information** | **GSW-2476:** 24-Port 10/100/1000Mbps w/4-Port SFP |

| **Package Contents** | GSW-2476 |
| | CD Manual |
| | Power Cord |
| | Rack-mount Brackets |

V1.1

## Option 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)