



16-Port 10/100/1000Mbps w/ 4-Port SFP



GSW-1676

H/W Version: 1

16 Gigabit Port + 4 SFP Web Smart Switch

The LevelOne GSW-1676 is an intelligent Layer 2 Web Smart Switch with 16 10/100/1000 BASE-T ports with 4 shared SFP transceiver slots.

The switch contains 16 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-1676 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 16 workstations or servers. The server is easily expandable

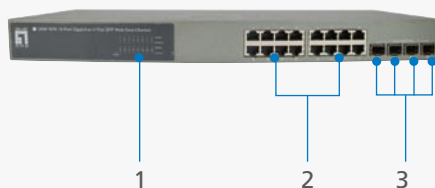
by adding direct full duplex connections to workstations or servers. Further expansion is possible by connecting hubs or switches.

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 80km. This allows a switch stack to serve as a collapsed backbone, providing direct connectivity for a widespread LAN.

Network Management Options

The GSW-1676 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

- 16 auto-MDI/MDI-X 10/100/1000Base-T ports
- 4 ports shared with 4 SFP transceiver slots
- Non-blocking switching architecture
- 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 SFP transceiver,
LX Single-Mode (10km)



GNC-0105T
Gigabit Ethernet 32-bit
PCI Card

Technical Specifications

Standard Compliance

IEEE Standards Compatibility

- IEEE 802.3/ IEEE 802.3u
- IEEE 802.3ab Gigabit 1000T
- IEEE 802.3z Gigabit Fiber
- IEEE 802.3x Flow Control and Back Pressure
- IEEE 802.1p QoS
- IEEE 802.1x User Authentication
- IEEE D802.1Q Virtual LAN

Hardware Specification

Physical Interface

16x 10/100/1000Base-T, with auto-negotiation
 4x 10/100/1000Base-T shared with 4 SFP transceiver slots

LEDs

Per port 1000 M/ Link/Act
 Per device: Power

Performance Specifications

Forwarding modes: Store and forward
 Back-plane(Switching Fabric) : 32Gbps
 Packet buffer memory: 400K bytes
 Mac Address: 8K

Electrical Specifications

Power consumption: 28 Watts maximum
 Voltage:100~240 VAC, 50-60 Hz

Physical Specifications

19-inch Standare Rack-Mount Width
 Dimensions (W x D x H) 440mm x 171mm x 44mm
 Weight:1.6kg

Environmental Specifications

Operating: 0°C ~40°C (32°F ~ 104°F)
 Storage: -40°C ~70°C (-40°F ~ 158°F)
 Operating humidity: 5% ~ 90% (Non-condensing)

EMI/EMC

CE
 FCC Part 15 Class A

Software Specification

VLAN

Port Based VLAN
 Tag VLAN (255 entries)
 Support Q in Q
 VLAN ID (Up to 4K, VLAN ID can be assigned from 1 to 4095.)

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)
 DSCP

Bandwidth Control

Support ingress packet filter and engress packet limit

Storm Control

Broadcast Storm Control

Port Mirror

Support mirroring types="RX packet"

DHCP

DHCP Client

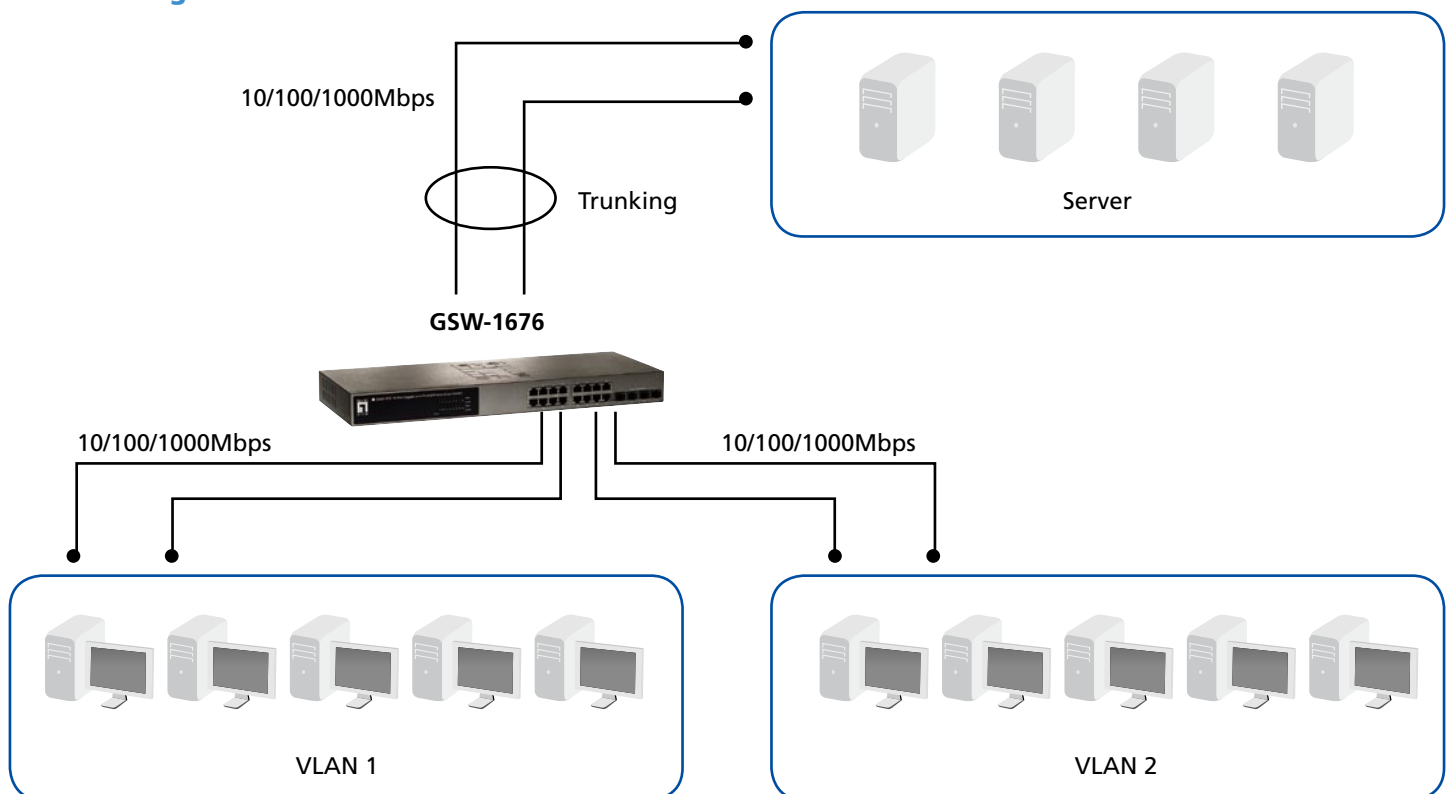
Firmware Update

WEB

MTBF

system MTBF:385193

Product Diagram



Order Information **GSW-1676:** 16 G + 4 SFP Web Smart Switch

Package Contents
GSW-1676
Rack-mount brackets
Power Cord
CD User Guide

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)