level one

48-Port Fast Ethernet TP w/ 4-Port Gigabit TP and 2-Port mini-GBIC SFP

GSW-5270

H/W Version: 1

Product Overview

The LevelOne GSW-5270 Web Smart Switch comes with 48 Fast Ethernet and 4 Gigabit copper ports and 2 SFP slots. It provides VLAN and QoS support and is easily managed through a Web-based user interface.
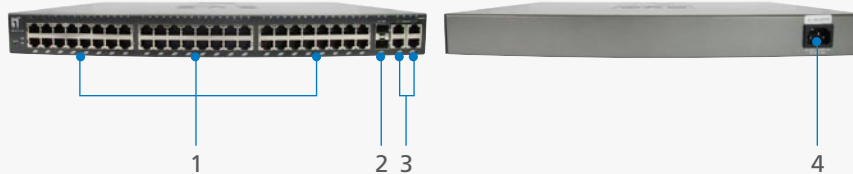
High Performance Web Smart Switch

This GSW-5270 is a cost-effective network switch solution for medium to large networks that is looking for a reliable and flexible network connection. It provides for high performance 17.6Gbps backplane switching architecture with VLAN, port trunking and QoS support. The GSW-5270 also provides support for forming 6 VLAN groups over 8 ports per group. This allows the network administrator to allocate specific ports for specific user groups for simplified network management.

The GSW-5270 is a perfect solution for networks that utilize different network media and connectivity speeds on the same network. It provides support for Fast Ethernet, Gigabit and Fiber optic connectivity.

Flexible Uplink SFP ports

The two SFP ports provide network administrators with flexible network connectivity options when connecting networks over single mode and multi mode fiber optic cables. LevelOne has available several SFP module options to suit different network requirements.

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

1   2 3   4

Key Features

- Features 48 Fast Ethernet Auto-negotiation Ethernet ports
- Features 4 Gigabit Auto-negotiation Ethernet ports
- Provides 2 optional mini-GBIC transceiver slots for extending the network distance
- Supports 802.1Q VLAN
- Supports 802.1p Priority Queues
- Supports static Port Trunk
- Supports Port Mirroring and Broadcast Storm Control
- Supports IEEE802.3x flow control for fullduplex and half-duplex operation mode
- 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 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

Physical Interface

– 48 x100Base-TX 10/100Mbps Auto-negotiation Fast
Ethernet ports

– 4 x1000Base-T Auto-negotiation Gigabit Ethernet
Ports

– 2 x Mini-GBIC ports

LEDs

– Power / System Status

– Fast Ethernet Ports: Link/Activity

– Gigabit Ports: Link/Activity, Speed (1000Mbps-Green,
100Mbps-Amber)

– Mini-GBIC Gigabit Port: Link/Activity

Performance Specifications

– Forwarding modes: Store-and-forward

– Back-plane (Switching Fabric): 17.6Gbps

– Packet buffer memory: 128K byte

– Mac Address : 4K MAC address table

Electrical Specifications

– Power consumption: 25 Watts (Max)

– 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 310 x 44 mm

–Weight: 3.725 kg

Environmental Specifications

– Operating temperature: 0° to 40°C

– Storage temperature: -10° to 70°C

– Operating humidity: 10%~90% (Noncondensing)

EMI and Safety

– CE

– FCC Part 15 Class A

– VCCI-A

– cUL (UL 60950)

– CB(IEC 60950)

Software Specification

VLAN

– Port Based VLAN

– Tag VLAN (256 entries)

– VLAN ID (Up to 4K, VLAN ID can be assigned from 1 to
4094.)

Trunk

– 8 Ports per Group / 6 Groups per Device

– Static Trunk

Quality of Service(QoS)

– IEEE802.1p Priority Queues: 4 Queues

– Port Based Priority (Highest/High/Middle/Low)

Storm Control

– Broadcast Storm Control

Port Mirror

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

DHCP

– Provide DHCP Client

Firmware Update

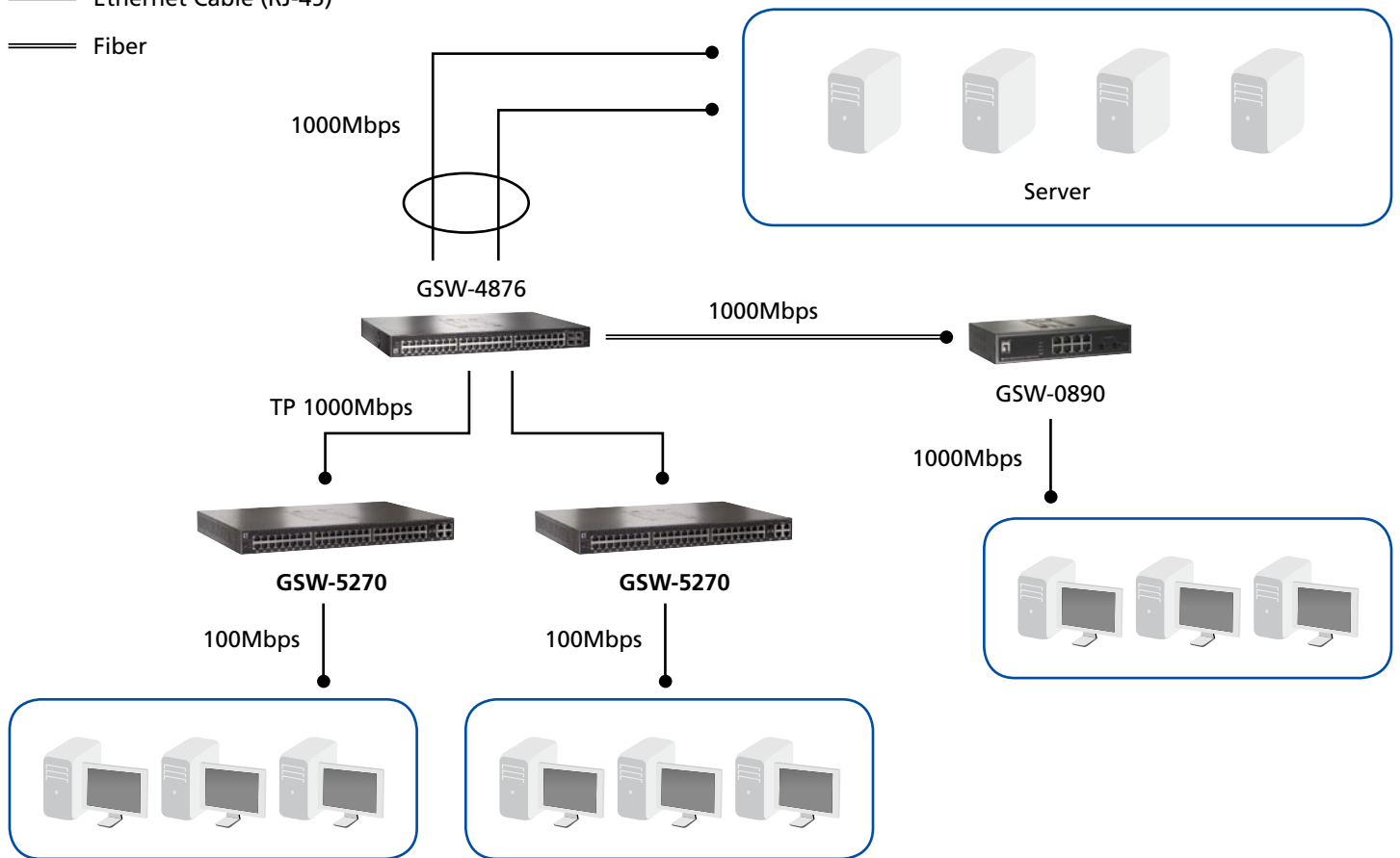– Support firmware upgrade via Web / Utility(TFTP)

MTBF

- System MTBF: 341215

Product Diagram

─── Ethernet Cable (RJ-45)

═══ Fiber

1000Mbps

GSW-4876

Server

1000Mbps

GSW-0890

TP 1000Mbps

1000Mbps

GSW-5270

GSW-5270

100Mbps

100Mbps

Order Information   **GSW-5270:** 48-Port Fast Ethernet TP w/ 4-Port Gigabit TP and 2-Port mini-GBIC SFP

Package Contents   GSW-5270
CD Manual
Power Cord
Rack-mount Brackets
Rubber Feet

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)