

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



GWS-1656

H/W Version: 2

Product Overview

GWS-1656 is a Gigabit switch that is the ideal solution for networks that demand a reliable and stable high-bandwidth environment to connect workgroups with file servers. GWS-1656 has 16 10/100/1000 Mbps Nway ports of which 4 ports are SFP shared ports. These SFP ports are Mini-GBIC ports for obtaining long distance network connectivity via fiber optic connections.

With a 32 Gbps backplane, GWS-1656 provides high-speed data transmission through effective buffering to each port. With a store-and-forward switching architecture the data flow between transmit and receive nodes is controlled to protect against packet loss.

Save Power With LevelOne Green Technology

Active Link Detection: A LevelOne Green device can

tell if there is activity on each individual LAN port. If an 8-port switch only has 6 active devices connected to it, power is saved because no traffic is routed to the 2 inactive ports.

Cable Length Detection: The switch is able to detect the distance of the connected device and adjusts its power accordingly. For example, if you have a LevelOne Green switch a computer connected to a 10-meter cable will consume less power than a computer connected to a 100-meter cable.

Sleep Mode: The device will enter sleep/standby mode when the connected devices are powered down and no active links are detected. This helps save energy consumption during extended periods of network inactivity, such as nights, weekends and holidays.



1. LEDs
2. 10/100/1000 Mbps
3. SFP Slot
4. Internal power socket

Key Features

- IEEE802.3, IEEE 802.3u, IEEE 802.3ab and IEEE 802.3z compliant
- 24 10/100/1000 Mbps RJ-45 Nway ports
- 4 shared Mini-GBIC ports for optional fiber optical communication
- Wire-speed packet filtering and forwarding rate
- Supports 9K bytes Jumbo frame
- Supports 8K bytes MAC address entries
- 340K bytes buffer memory
- RoHS compliant with FCC,VCCI and CE Class A certification
- Save up to 56% power compare to non Green Switch with similiar functions

Related Products



GWS-2456
24-Port 10/100/1000Mbps
w/4-Port SFP



GWS-2420
24-Port 10/100/1000Mbps

Technical Specifications

Standard Compliance

Compliant

IEEE802.3, IEEE802.3u, IEEE802.3z/ab and IEEE802.3x standards

Network Interface

Ports

16 10/100/1000Mbps RJ-45 switching ports

4 Mini-GBIC ports

NWay Protocol Support

Network speed: 10/100/1000 Mbps

- 10 Mbps: Full/Half duplex
- 100 Mbps: Full/Half duplex
- 1000 Mbps: Full duplex

Backplane Bandwidth

32 Gbps

Mac Address

8K entries

Ram Buffer

500Kbytes

Jumbo Frame Rate

9K byte

Physical Specifications

LED Indicators

1 x Power (green)

16 x 10/100M LINK/ACT (green)

16 x 1000M Link/ACT (green)

Operating Temperature

0°C ~40°C (32°F~104°F)

Dimension

441 x 130 x 44 mm

Power Supply

Internal Power Supply

100~240VAC / 50~60Hz universal input

Certification

FCC Class A, CE, VCCI Class A

Green Power Consumption

Power Consumption with 16 x 100 meters Cable Connected

11.15W

Power Consumption with 16 x 10 meters Cable Connected

9.5W

GSW-1656 Base Power Consumption

(No Cables are Connected)

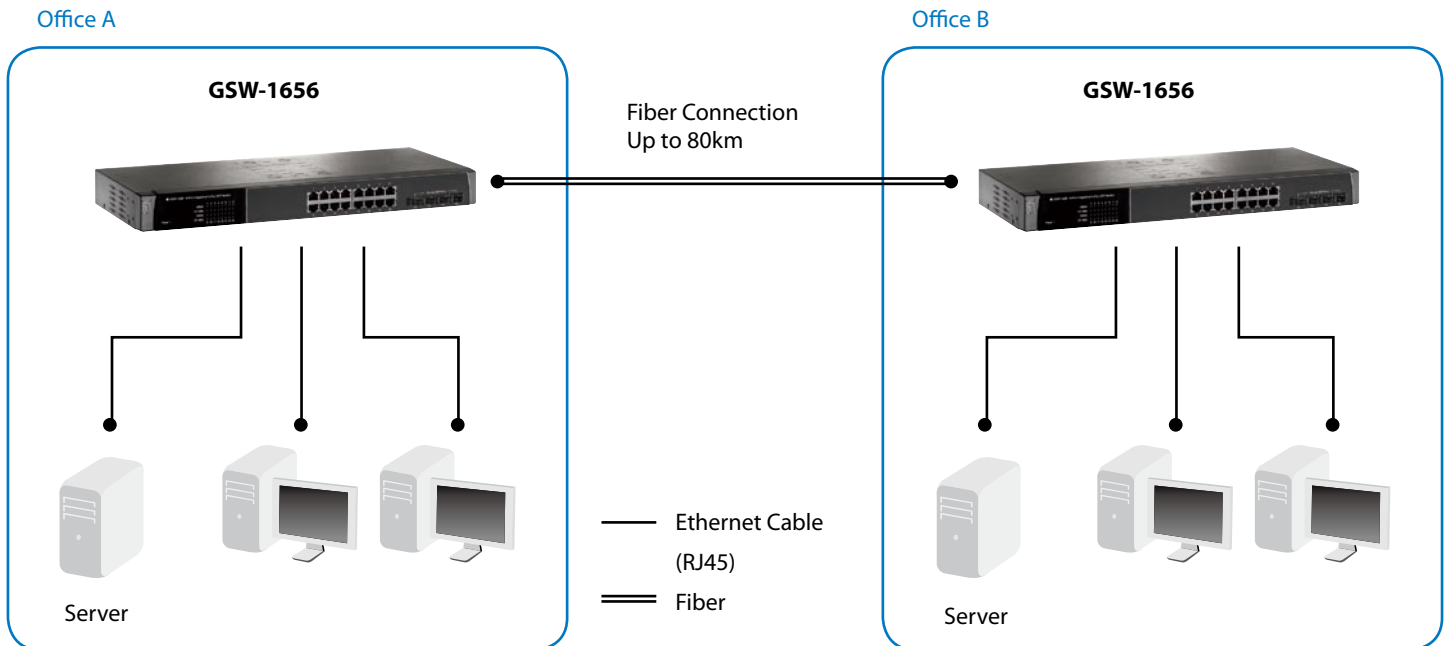
2.25W

Non Green Switch Base Power Consumption

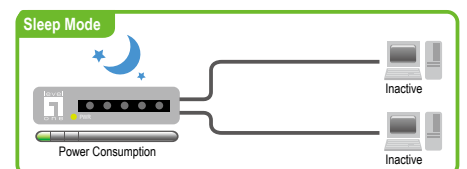
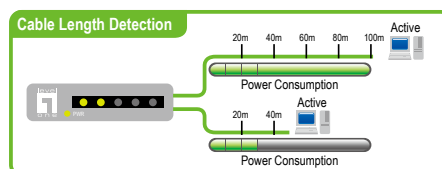
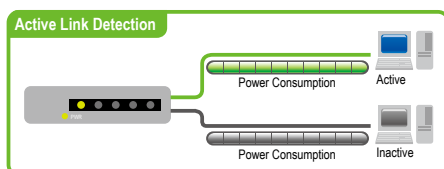
(No Cables are Connected)

5.125W

Product Diagram



Power Saving by



Order Information

GSW-1656: 16-Port 10/100/1000 Mbps with 4-Port SFP

Package Contents

GSW-1656

Power Cord

Rack-Mount Brackets

User Manual

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)

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