5-Port Gigabit Switch

GSW-0509

H/W Version: 2

Product Overview

The LevelOne GSW-0509Gigabit Ethernet Switch is designed for reliable high-performance networking. With its non-blocking switching fabric in full-duplex mode, this switch can deliver up to 2000Mbps per port, while the Store-and-Forward service brings low latency and error-free packet delivery. This high-performance Gigabit Ethernet switch is perfect for fulfilling the demands of online gaming and multimedia streaming. Moreover, this switch also supports IEEE 802.3az Energy Efficient Ethernet which helps reduce power consumption.

Power Saving Features

The GSW-0509supports IEEE 802.3az Energy Efficient Ethernet to provide power-saving benefits without compromising performance. One of the ways it

does this is by automatically detecting the length of connected cables and can adjust power usage by saving energy on shorter cable connections.

Internal Power

With a built-in power supply, GSW-0509 is simple to install and use. No bulky adapters will hang on the wall and get in the way of your other electronic devices. Keep your desktop and computer area free from the clutter of cords!

Easy to Use

The GSW-0509 features plug-and-play for easy installation. No configuration is required. Auto-negotiation on each port senses the link speed of a network device and adjusts for compatibility and optimal performance.

1. LEDs
2. 10/100/1000 Mbps
3. Internel power socket

1   2   3

Key Features

- 5 x 10/100/1000Mbps Auto-negotiation Gigabit
  Ethernet ports
- Auto MDI/MDI-X for each port
- Supports full duplex transfer mode for 1000Mbps
- Supports 8K absolute MAC addresses
- Supports 125KBytes RAM for data buffering
- Supports IEEE 802.3x full-duplex / half-duplex back-
  pressure flow control
- Supports 9KB Jumbo Frames
- Supports IEEE 802.3az Energy Efficient Ethernet

Works well with

WGR-6012
300Mbps Wireless Gigabit Router

GNS-2000
2-Bay Gigabit Network Storage

Technical Specifications

Standards Compliance

Compliant
IEEE 802.3 (10BASE-T)
IEEE 802.3u (100BASE-TX)
IEEE 802.3ab (1000BASE-T)
IEEE 802.3x Flow control
IEEE802.3az Energy Efficient Ethernet

Network Interface

Ports
5 x 10/100/1000Mbps RJ-45 NWay ports

Nway Protocol Support
10 / 100Mbps: Full-duplex, Half-duplex
1000Mbps: Full-duplex

Network Media
Ethernet: 2-pair UTP Cat.3, 4, 5 up to 100M
Fast Ethernet: 2-pair UTP Cat.5 up to 100M
Gigabit Ethernet: 4-pair UTP Cat.5 plus up to 100M
Recommend Cat.5e for Gigabit Operation

Filtering/Forwarding Rate
10Mbps: 14,880 packets / sec
100Mbps: 148,800 packets / sec
1000Mbps: 1,488,000 packets / sec

Buffer Memory
125KB

Jumbo Frame
9KByte

MAC Address Table
8K

Physical Specifications

LED Indicators
System: Power
Port: Link/Act

Power Supply
Internal Power 100-240V AC, 5V/2A

Operation Temperature
Operation: -0~40℃ (32° - 104° F)
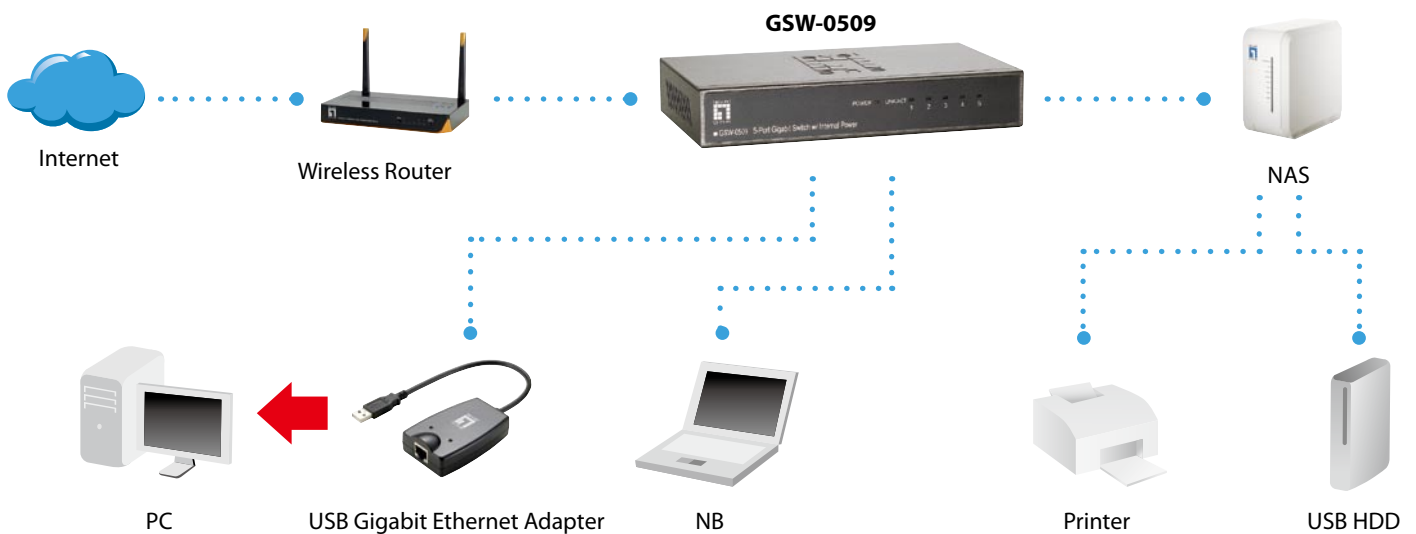
Operation Humidity
10%~90 % (non-condensing)

Dimensions (L x W x H)
150mm x 85mm x 25mm

Certification
FCC, CE

Product Diagram

GSW-0509

Internet — Wireless Router — GSW-0509 — NAS

PC — USB Gigabit Ethernet Adapter — NB — Printer — USB HDD

Order Information   **GSW-0509:** 5-Port Gigabit Switch

Package Contents   GSW-0509
Quick Installation Guide
Power Cord
Four Rubber Feet

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