

5-Port Gigabit Ethernet Switch



GSW-0507

H/W Version: 2

Gigabit Connectivity

LevelOne's GSW-0507 is a high-performance 10/100/1000 Mbps Gigabit Ethernet switch with 5 Gigabit Ethernet ports. It provides for flexible network architecture so users can take advantage of the lightning fast speeds of a Gigabit network without bandwidth limitations. GSW-0507 is ideal for micro-segmenting large networks into smaller, connected subnets for improved performance. It is 1000BASE-T compliant and supports full- and half duplex auto-detection modes. It further supports MDI/MDI-X auto crossover and IEEE802.3x flow control.

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 a

5-port switch only has 3 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. External power socket

Key Features

- Supports back-pressure and flow control
- Features Store-and-Forwarding architecture
- Supports 1k MAC address entries, 832K bits buffer memory and 12K Jumbo frame rate
- Extensive LED indicators for network diagnostics
- Compact size 5-port Gigabit Network Switch
- Supports MDI/MDI-X auto crossover
- Supports half-duplex and full-duplex auto-detection
- Provides wire-speed packet filtering and data forwarding
- Save up to 63% power compare to non Green Switch with similiar functions

Works well with



GNC-0105T
32-bit Gigabit Ethernet PCI Adapter



USB-0201
USB Gigabit Ethernet Adapter

Technical Specifications

Standard Compliance

Compliant

IEEE 802.3 , IEEE 802.3u, IEEE802.3ab and IEEE 802.3X

Network Interface

Ports

5x 10/100/1000 Mbps RJ-45 switching ports

Uplink

Auto MDI/MDI-X (Auto crossover)

Network Speeds

10/100/1000 Mbps

Full/Half duplex mode auto detection

MAC Address Database

1,000

Buffer Memory

832k bits

Jumbo Frame

9k

Physical Specifications

LEDs

Power, Link/Activity

Operating Temperature

0°C ~ 40°C

Operating Humidity

10% ~ 90% (non-condensing)

Dimensions (L x W x H)

160 X 90 X 29 (mm)

Power Supply

External switching power 5VDC, 1A

Certification

CE

FCC Class A

LevelOne Green

Power Consumption with 5 x 100 meters Cable Connected

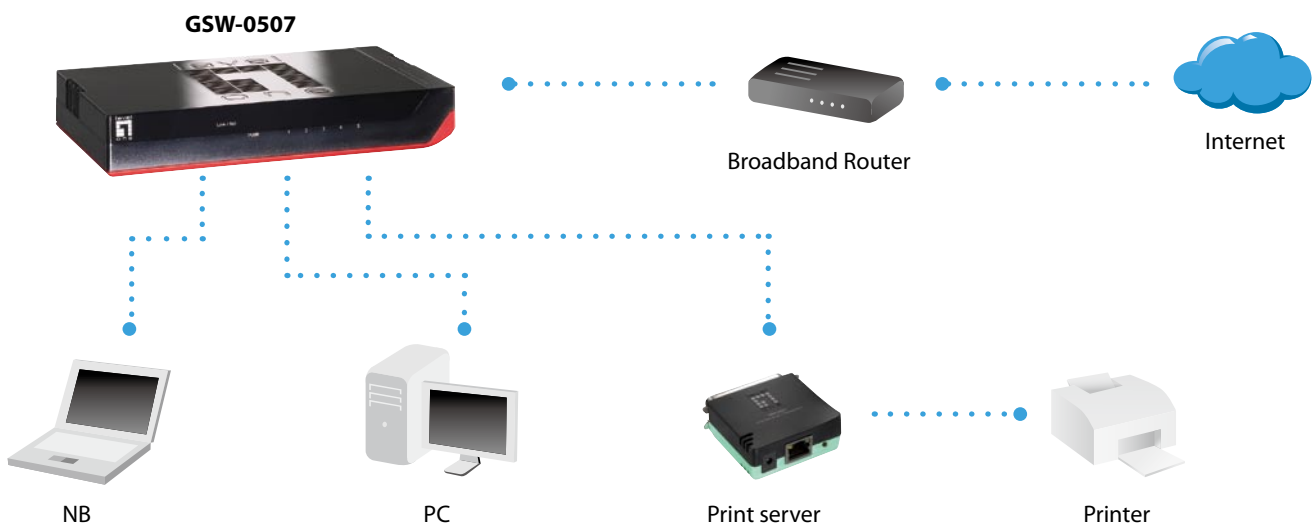
3.55W

GSW-0507 Base Power Consumption

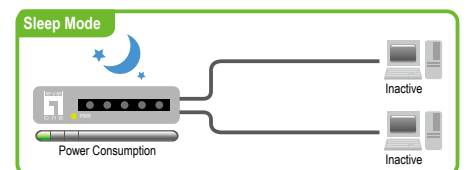
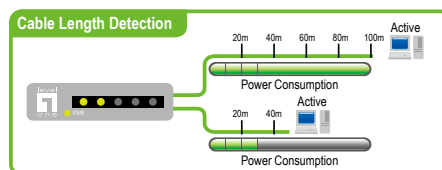
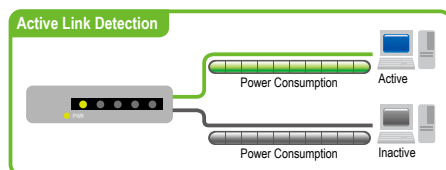
(No Cables are Connected)

0.7W

Product Diagram



Power Saving by



Order Information

GSW-0507: 5-Port Gigabit Ethernet Switch

Package Contents

GSW-0507, Power Adapter, User Manual, Wall-Mounting Kit