



## 8-Port Gigabit Switch



GEU-0820

H/W Version: 1

### Product Overview

The LevelOne GEU-0820 Gigabit 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 GEU-0820 supports IEEE 802.3az Energy Efficient Ethernet to provide power-saving benefits without compromising performance. One way is to automatically detecting the length of connected

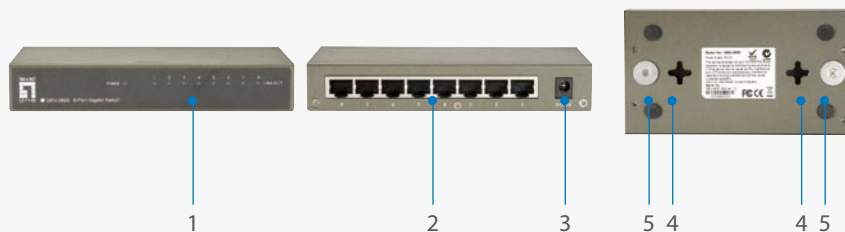
cables and to adjust power usage by saving energy on shorter cable connections.

### Compact and Stylish Design

The stylish, compact wall-mountable housing of GEU-0820 fits any working environment. It comes with 8 x 10/100/1000Mbps ports to meet SOHO and home network expansion needs. In addition, it has a unique magnet mounting design which allows the GEU-0820 to be installed on any steel or iron surface without the need for brackets.

### Easy to Use

The GEU-0820 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. LED Indicators
2. 10/100/1000Mbps RJ-45 Ports
3. External Power Socket
4. Wall-Mountable
5. Magnetic Base

### Key Features

- 8 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 128KBytes RAM for data buffering
- Supports IEEE 802.3x full-duplex / half-duplex back-pressure flow control
- Supports IEEE802.1p priority queuing Quality of Service
- Supports 9KB Jumbo Frames
- Magnetic base for secure placement on any metal surface
- Supports IEEE 802.3az Energy Efficient Ethernet

### Works Well With



**USB-0401**  
USB Gigabit Ethernet Adapter



**GNS-2000**  
2-Bay Gigabit Network Storage

## Technical Specifications

### Standard Compliance

IEEE802.3 (10BASE-T)  
IEEE802.3u (100BASE-T)  
IEEE802.3ab (1000BASE-T)  
IEEE802.3az Energy Efficient Ethernet  
IEEE802.1p QoS

### Interface

8 x 10/100/1000Mbps RJ-45 NWay ports  
NWay Protocol Support  
10/100Mbps: Full-duplex, Half-Duplex  
1000Mbps: Full-duplex

### MAC Address Table

8K

### Jumbo Frame

9KB

### Buffer Memory

128KB

### LED Indicators

System: Power  
Port: Link/Act

### Temperature

Operating: 0°C ~ 40°C (32°F ~ 104°F)  
Storage: -40°C ~ 70°C (-40°F ~ 158°F)

### Humidity

Operating: 10% ~ 90% (non-condensing)  
Storage: 5%~90% RH, non-condensing

### Dimension (L x W x H)

154.5 x 84 x 26 mm

### Weight

360g

### Power Supply

External power adapter DC 5V /1A

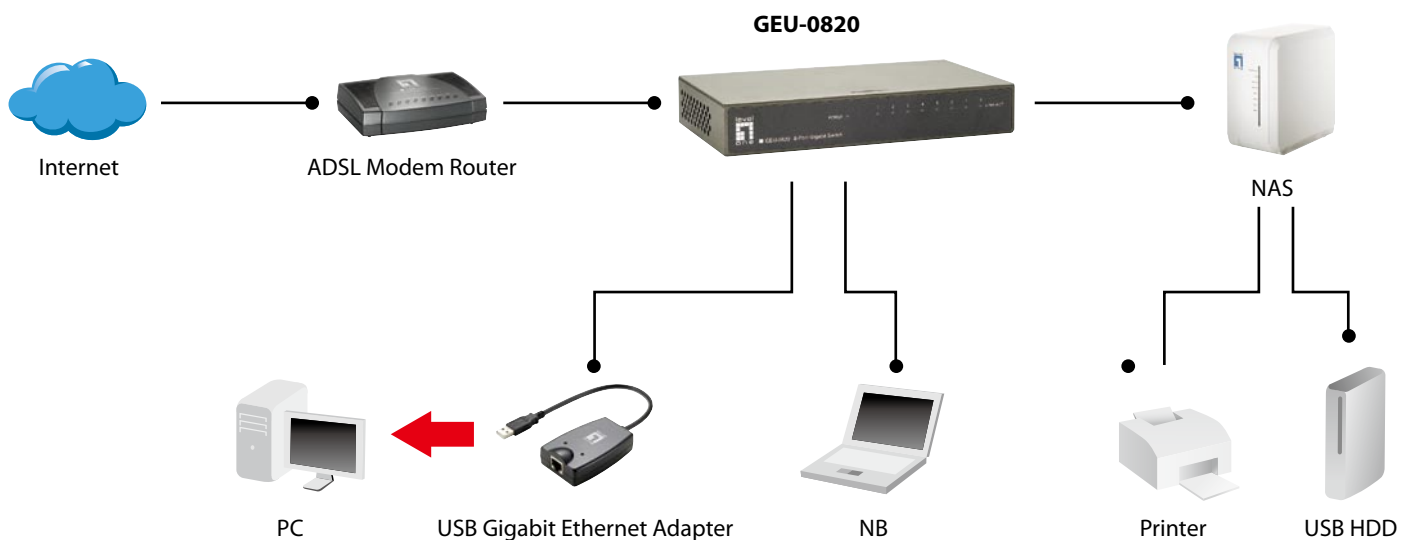
### Mounting Design

Wall mountable with Magnet

### Emission

FCC, CE, VCCI Class A

## Product Diagram



## Order Information

### Package Contents

### GEU-0820: 8-Port Gigabit Switch

GEU-0820  
External Power Adapter  
Rubber Feet x 4  
Wall Mount Kit  
QIG Manual