

GEP-0812 Version: 1



## 8-Port Gigabit Ethernet PoE Switch, 61.6W, 802.3af/at PoE+, 4 PoE Outputs

The LevelOne GEP-0812 provides 4 x 10/100/1000Mbps and 4 x 10/100/1000Mbps PoE Plus ports. This switch is IEEE 802.3af/at compliant, and provides power and data over a single Ethernet cable to any PoE device, with total power budget of 61.6W, up to 30W per port. Ideal for desktops and it is also 19-inch rack-mountable, which provides convenient and flexible installation. The GEP-0812 is designed for small businesses that prefer an affordable solution for PoE deploying infrastructure.



1. LED Indicators
2. 10/100/1000Mbps RJ-45 PoE Ports
3. Power Port

### Key Features

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 10/100/1000Mbps wire speed transmission and reception
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 11-inch metal housing with 19-inch rackmount kit included
- Simple Plug and Play installation
- Total PoE power budget: 61.6W, up to 30W per port
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## Specifications

### System Specifications

#### Standards & Protocols:

IEEE 802.3 10-BASE-T, Ethernet  
IEEE 802.3u 100-BASE-TX, Fast Ethernet  
IEEE 802.3ab 1000BASE-T, Gigabit Ethernet  
IEEE 802.3x Full-duplex Flow Control  
IEEE 802.3af Power over Ethernet (PoE)  
IEEE 802.3at Power over Ethernet Plus (PoE+)

#### Buffer Memory:

128KB

#### Connectors and Cabling:

4 x 10/100/1000Base-TX RJ-45 PoE 1~4 Ports  
4 x 10/100/1000Base-TX RJ-45 Uplink 5~8 Ports

#### Indicator:

Power, Active, 10/100/1000M, PoE

#### Transmission Method:

Store-and-Forward

#### Power:

Power Consumption: < 65W  
Power Input: 100-240V AC, 50-60 Hz, 2A Internal Power Supply

### Features

#### PoE:

Power Budget: Max. 65W  
PoE Standard: IEEE 802.3af/at Power over Ethernet / PSE  
PD classification identity  
PoE over current protection  
PoE circuit sorting protection  
PoE Power Output: Per Port 56V DC, Max. 15.4 watts (IEEE 802.3af) or 30 watts (IEEE 802.3at)  
Power Pin Assignment: 1/2(+), 3/6(-)

### Performance

#### Backplane (Gbps):

16Gbps

#### MAC Address Table:

8K

#### Data Transfer Rate:

10/100/1000Mbps

#### Packet Forwarding Rate:

1000Mbps port - 1488,000pps  
100Mbps port - 148,000pps  
10Mbps port - 14,880pps

#### Jumbo Frame (K):

9K

### Environment

#### Temperature (°C):

Operating: 0°C ~ 45°C  
Storage: - 40°C ~ 70°C

Humidity (Non-condensing):

Storage: 10% ~ 90%

Operating: 10% ~ 90%

## Physical Specifications

Dimensions (W x D x H mm):

280 x 125.5 x 44mm

Weight (g):

1500g

## Others

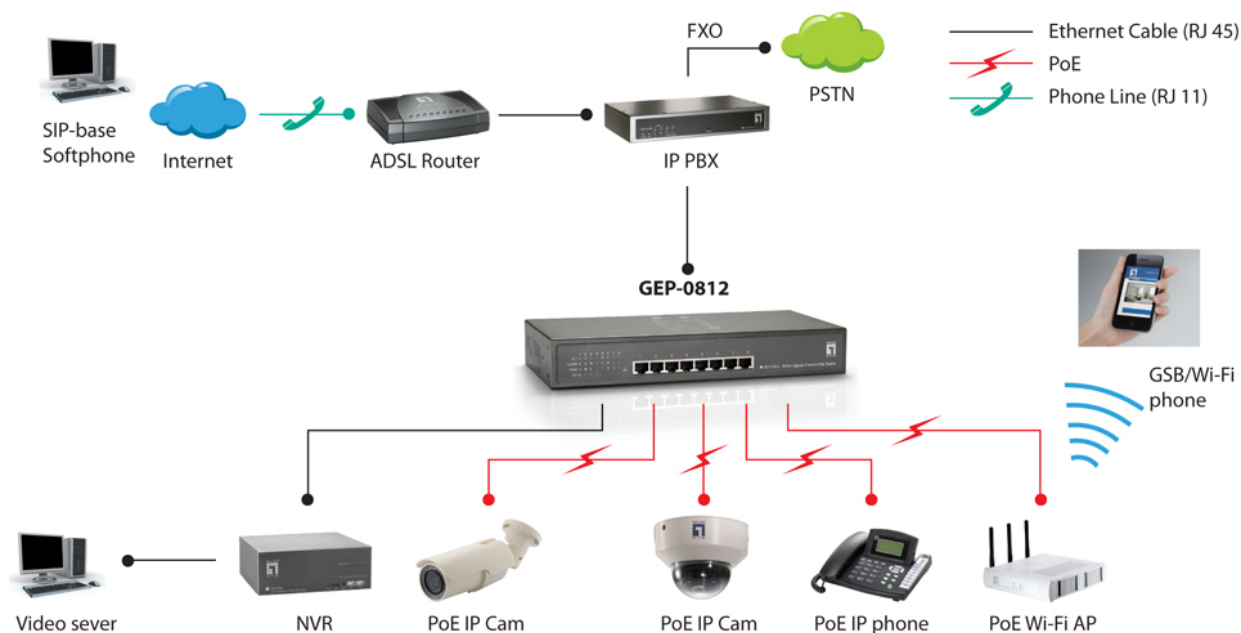
Approval and Compliance:

FCC, CE, RoHS

Deployment:

Desktop and 19-inch rack-mountable

## Diagram



## Order Information

GEP-0812

## Package Contents

GEP-0812

Power Cord

19" Rackmount Kit

Quick Installation Guide

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