



## 8-Port Gigabit PoE Switch, 802.3af/at PoE, 4 PoE Outputs

The LevelOne GEP-0812 series 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 / 90W / 120W, 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 series 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

- 4 Gigabit ports and 4 Gigabit PoE ports
- Auto-detection and protection of non-standard PoE devices
- Supports 8K MAC address auto-learning and auto-aging
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 9K jumbo frames to increase data transfer rates
- 11-inch metal housing with 19-inch rackmount kit included
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- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX

### 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

**Port:**

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 Input:**

100-240V AC, 50-60 Hz, 2A Internal Power Supply

**Power Consumption:**

< 65W (GEP-0812)  
< 90W (GEP-0812W90)  
< 120W (GEP-0812W120)

**Backplane (Gbps):**

16Gbps

**MAC Address Table:**

8K

**Data Transfer Rate:**

10/100/1000Mbps

## Features

**PoE:**

Power Budget: Max. 60W (GEP-0812)  
Max. 85W (GEP-0812W90)  
Max. 115W (GEP-0812W120)

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

**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%

Installation:  
Desktop and 19-inch rack-mountable

## Physical Specifications

Dimensions (W x D x H mm):

280 x 125.5 x 44mm

Weight (g):

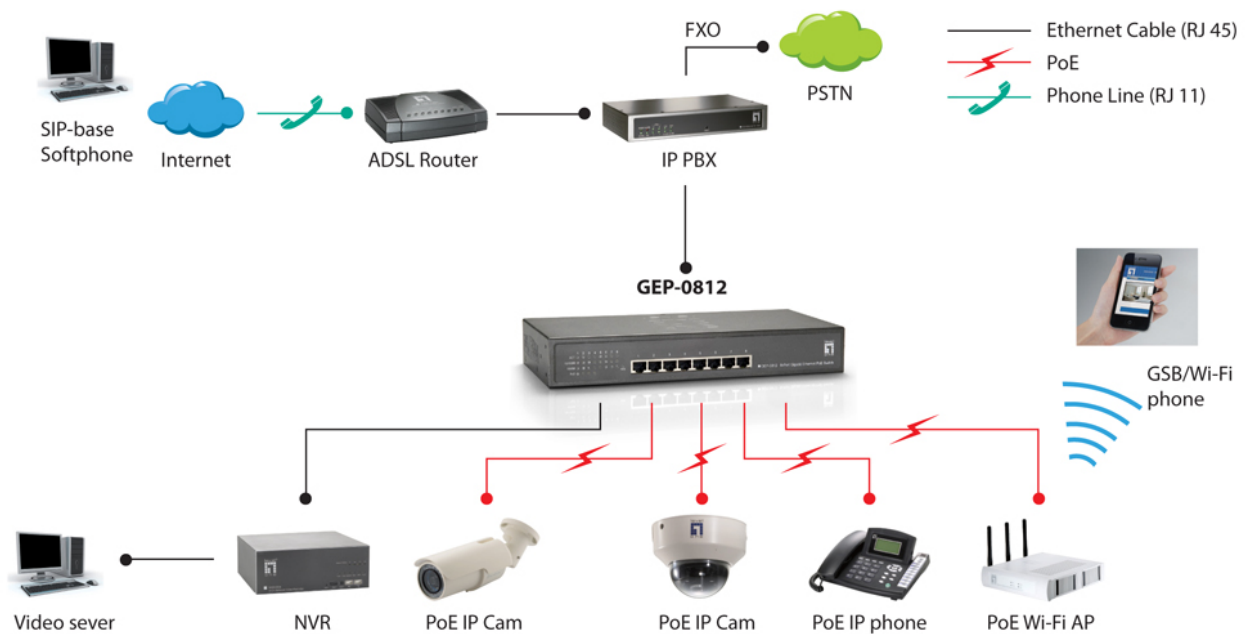
1500g

## Approval and Compliance

EMI/EMS:

FCC, CE, RoHS

## Diagram



## Order Information

GEP-0812: 65W

GEP-0812W90: 90W

GEP-0812W120: 120W

## Package Contents

GEP-0812

Power Cord

19" Rack Mount Kit

Quick Installation Guide

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