

GEP-0812 Version: 1



8-Port Gigabit PoE Switch, 802.3at 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

- 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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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 Input:

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

Power Consumption:

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

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

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%

Deployment:
Desktop and 19-inch rack-mountable

Physical Specifications

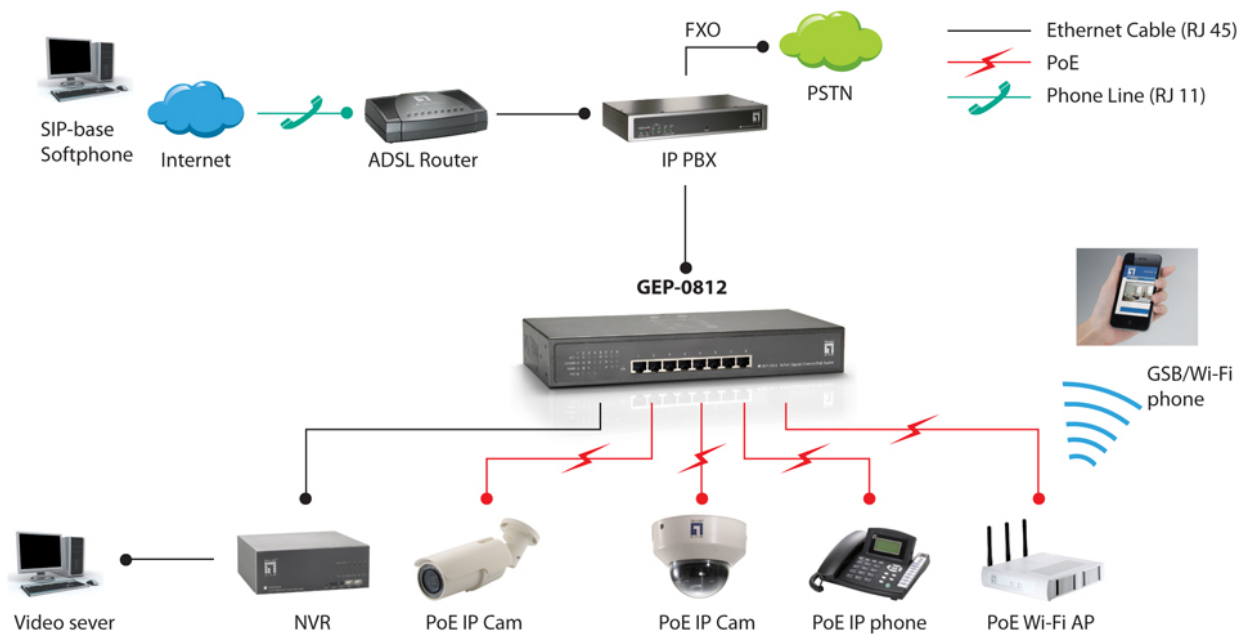
Dimensions (W x D x H mm):
280 x 125.5 x 44mm

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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