

8-Port Gigabit PoE Plus Switch



GEP-0821

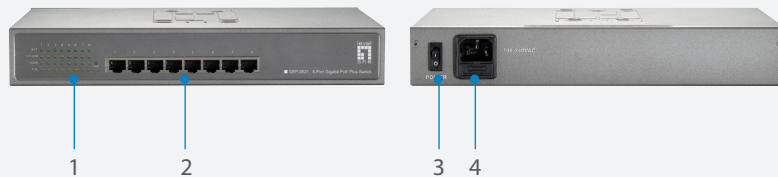
H/W Version: 2

Product Overview

The LevelOne GEP-0821 provides 8 x 10/100/1000Mbps ports with IEEE 802.3at PoE plus supported. 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 123.2W, up to 30W per port. Together with Energy Efficient Ethernet (IEEE 802.3az) standard compliant, it substantially lower power consumption during periods of low-link utilization. Moreover, supports Gigabit Ethernet connectivity with 9K jumbo frames for network performing enhancement. Ideal for small businesses that prefer an affordable solution for PoE deploying infrastructure.

Cost Effectiveness And Enhanced Flexibility

Featuring Power over Ethernet Plus (PoE+) technology (IEEE 802.3at), which nearly doubles the power delivery comparing to the IEEE 802.3af PoE technology. Furthermore, it ensures that the power is used more efficiently due to the maximum power will only be requested when it is needed. Thus providing great cost savings by reducing power bills and eliminating the need for additional power cables and outlets.



1. LED Indicators
2. 10/100/1000Mbps RJ-45 PoE Ports
3. Power On / Off Switch
4. Power Socket

Key Features

- IEEE 802.3at PoE Plus compliant to simplify deployment and installation
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- 9K jumbo frame to increase data transfer rates
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x flow control protects against lost packets for reliable data transmission
- 19-inch rackmount kit included
- Total PoE power budget: 123.2W, up to 30W per port
- Internal power supply

Works Well With



FCS-5061
Day/Night 5-Megapixel PoE Plus
Outdoor Network Camera



WAP-6012
300Mbps Wireless Gigabit PoE
Access Point



Technical Specifications

Standards

- 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 Flow Control (full-duplex flow control)
- IEEE 802.3af Power over Ethernet
- IEEE 802.3at Power over Ethernet Plus
- IEEE 802.3az: Energy Efficient Ethernet

Features

- MAC Address: 8K
- Buffer Memory: 128KB
- Transmission Method: Store-and-Forward
- Backplane: 16Gbps
- Jumbo Frame: 9K

Filtering/Forwarding Rates

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

Transmission Media

- 10Base T Cat. 3, 4, 5 UTP/STP
- 100Base TX Cat. 5 UTP/STP
- 1000Base TX Cat. 5e/6/7 UTP/STP

Network Interface

8 x 10/100/1000Mbps RJ-45 PoE Ports

PoE Spec

- 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 Budget: Max. 123.2W
- Power Pin Assignment: 1/2(+), 3/6(-)

LED Indicators

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

Power Input

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

Power Consumption

130W

Dimensions (L x W x H)

280 x 185 x 44 mm

Weight

2kg

Temperature

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

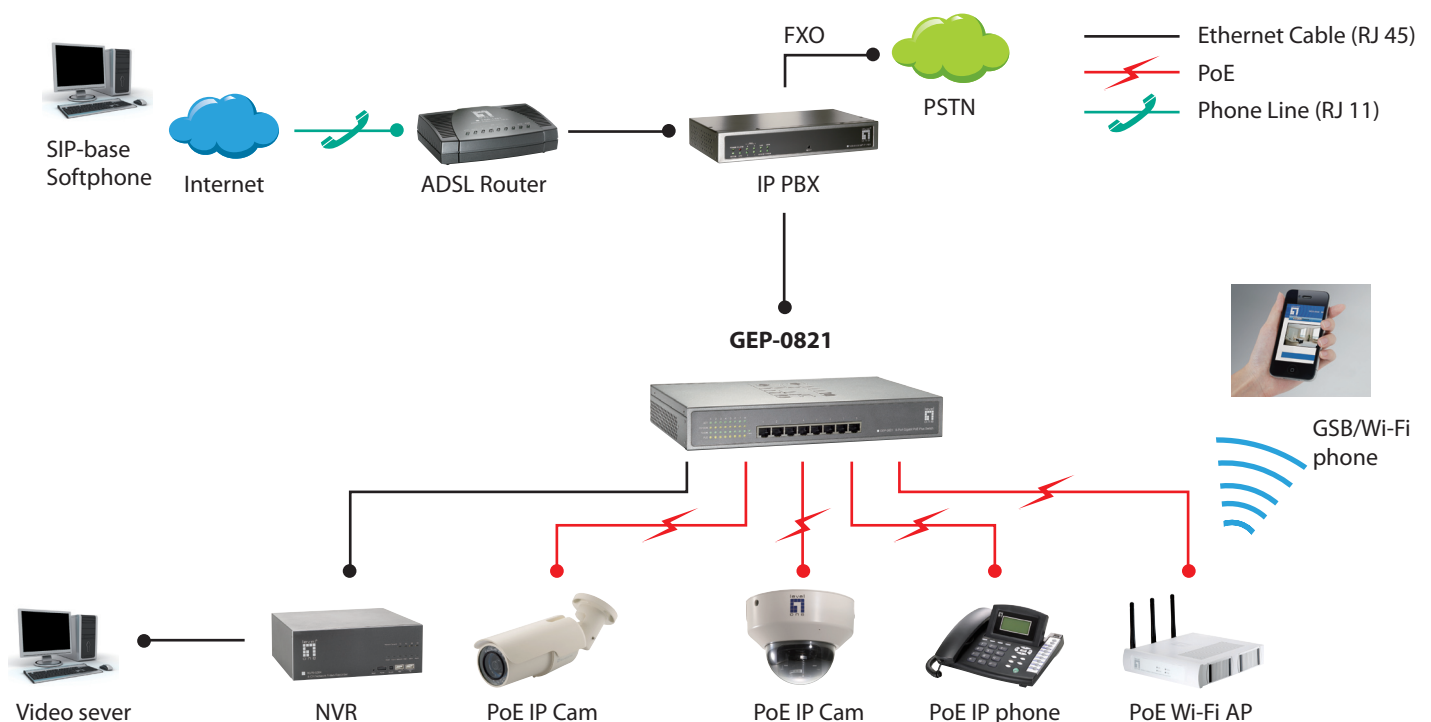
Humidity

Operating: 10~90% (Non-condensing)
Storage: 10~90% (Non-condensing)

Certifications

FCC, CE

Product Diagram



Order Information

GEP-0821: 8-Port Gigabit PoE Plus Switch

Package Contents

GEP-0821

Rackmount kit

Rubber Feet x 4

Power Cord

Quick Installation Guide