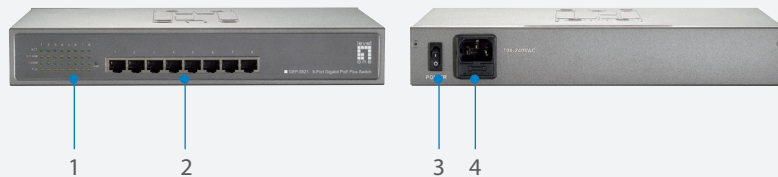# 8-Port Gigabit PoE Plus Switch

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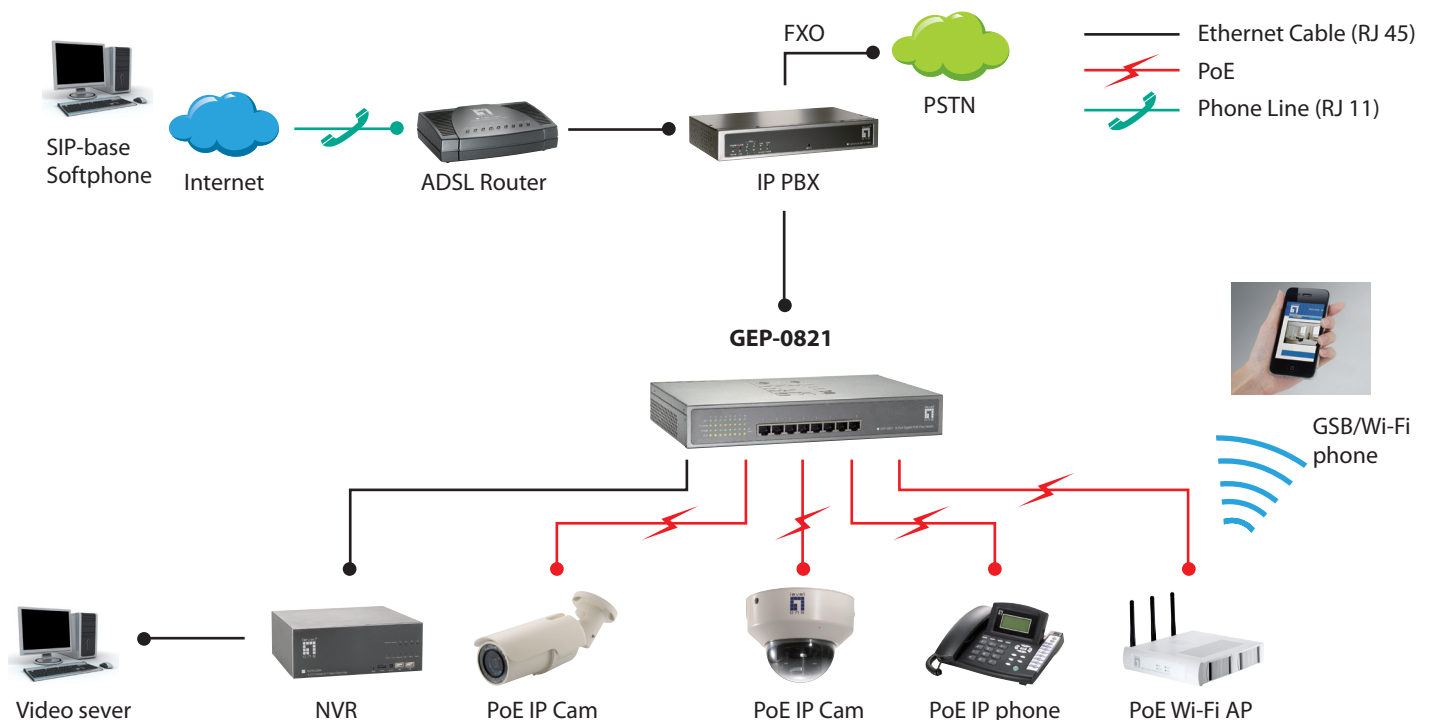Operating: 0~45 Degree °C
Storage: -40~70 Degree °C

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

Certifications
FCC, CE

Product Diagram

SIP-base Softphone
Internet
ADSL Router
IP PBX
FXO
PSTN

Ethernet Cable (RJ 45)
PoE
Phone Line (RJ 11)

GEP-0821

GSB/Wi-Fi phone

Video sever
NVR
PoE IP Cam
PoE IP Cam
PoE IP phone
PoE Wi-Fi AP

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