

GEP-1021 □□□□ □□: 1



## 8 GE PoE-Plus + 2 GE SFP □□□, 250W

LevelOne GEP-1021 provides 8 x 10/100/1000Base-T PoE-Plus ports and 2 x 1000Base-X SFP (Small Form Factor Pluggable) slots. This switch is IEEE 802.3af/at compliant, providing power and data over a single Ethernet cable to any PoE device, with total power budget of 250W, 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 prefers an affordable solution for PoE deploying infrastructure.



- 1. LED Indicators
- 2. 10/100/1000Mbps RJ-45 PoE Ports
- 3. 100/1000Base SFP Slot



- 4. Power Switch On/Off
- 5. Power Socket

### Key Features

- 8 PoE-Plus Gigabit Ethernet ports and 2 Gigabit SFP slots
- 1000Mbps-Full-duplex, 10/100Mbps-Full/Half-duplex, Auto-Negotiation, Auto-MDI/MDIX
- □□ □ □□□ □□□□□□ □□ IEEE 802.3af / at PoE □□□ □□
- □□□ □□ □□□ □□□□□□ 9K □□ □□□
- 8K MAC □□ □□ □□ □ □□ □□□ □□
- □□□□ PoE □□□□ □□ □□ □ □□
- □□□□ □□ □□□ □□□ □□ IEEE 802.3x □□□□ □□□□ □□ □□□□ □□
- □□ □□□□ □□ □□□□ □□ □□□□□□□□(IEEE 802.3az)
- 19 □□ □□□□ □□ □□
- □ PoE □□ □□: 250W, □□□□ □□ 30W



## Highlight

### 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.

### Eco-Conscious Design

LevelOne is always committed to providing significant energy savings products. With the implementation of the advanced energy efficiency technology (IEEE 802.3az), allowing for monitoring the link status of each port. Therefore reducing power consumption if a connected device is not active at a certain period of time. In this way, the power can be saved and utilized more effectively.

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### FCS-5061

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### WAP-6013

300Mbps Wireless Access Point

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### System Specifications

#### Buffer Memory (KB):

512KB

#### Connectors and Cabling:

8 x 10/100/1000Base-T RJ-45 PoE-Plus Ports

2 x 100/1000Base-X SFP Slots

#### Indicator:

Power; Link/Active; PoE

#### Transmission Method:

Store-and-Forward

#### Power:

Power Consumption: < 250W

Power Input: 100-240V AC, 50-60 Hz, Internal Power Supply

#### 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 Flow Control (full-duplex flow control)

IEEE 802.3af Power over Ethernet (PoE)

IEEE 802.3at Power over Ethernet Plus (PoE+)

IEEE 802.3az Energy-Efficient Ethernet

### Physical Specifications

#### Dimensions (W x D x H mm):

280 x 215 x 44 mm

**Weight (g):**

2500g

## Performance

**Backplane (Gbps):**

16Gbps

**MAC Address Table:**

8K

**Data Transfer Rate:**

10/100/1000Mbps

**Packet Forwarding Rate:**

1000Mbps port - 1,488,000pps

100Mbps port - 148,000pps

10Mbps port - 14,880pps

**Jumbo Frame (K):**

9KB

## Features

**General:**

Flow Control: Backpressure (Half Duplex), Pause frame(Full Duplex)

**PoE:**

Power Budget: Max. 250W

Power Output: Up to 30W per port

Protection: Circuit protection to prevent power interference between ports

Pin Assignment: 1/2(+), 3/6(-)

## Environment

**Power Saving:**

IEEE 802.3az Energy Efficient Ethernet:

- Automatically turns power off on RJ-45 port when detecting link down or Idle of client
- Cable length detection: Adjusts the signal strength based on the cable length
- Reduces the power consumption for cables shorter

**Temperature (°C):**

Operating: 0°C ~ 40°C

Storage: -40°C ~ 70°C

**Humidity (Non-condensing):**

Storage: 5% ~ 90%

Operating: 5% ~ 90%

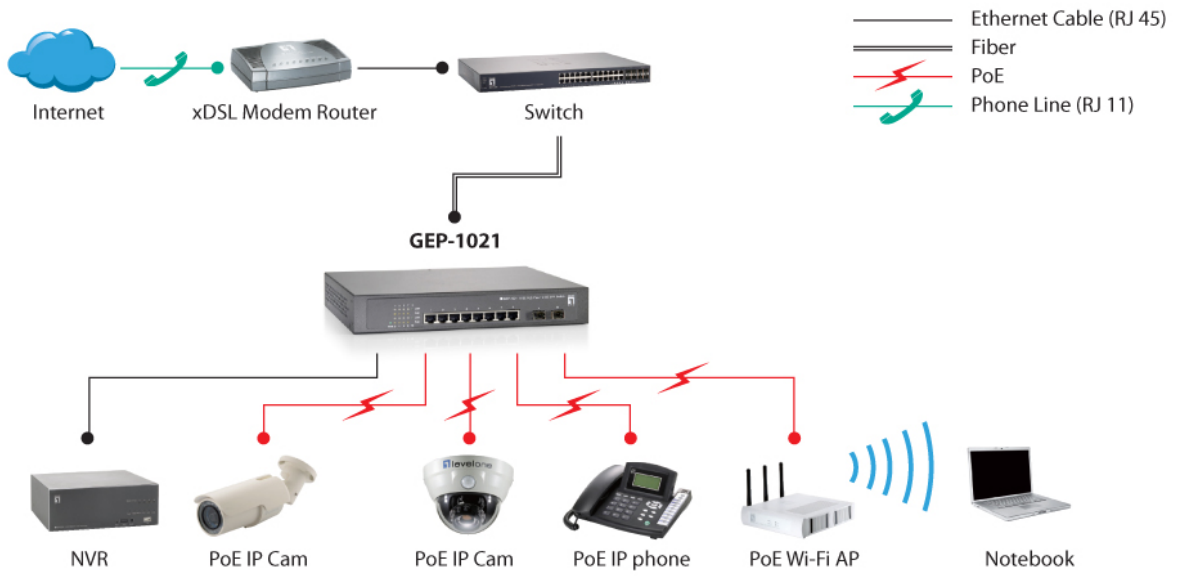
## Others

**Approval and Compliance:**

FCC Part 15 Class A, CE

**Deployment:**

19-inch rack-mountable



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## Order Information

GEP-1021

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## Package Contents

Power Cord  
19" Rackmount Kit  
Quick Installation Guide