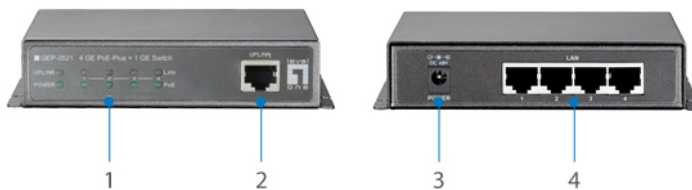


GEP-0521 Version: 1



## 5-Port Gigabit Ethernet PoE Switch, 120W, 802.3af/at PoE Plus, 4 PoE Outputs

The LevelOne GEP-0521 provides 5 x 10/100/1000Base-T PoE-Plus ports. 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 120W, 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, it supports Gigabit Ethernet connectivity with 9K jumbo frames for network performing enhancement. Ideal for small businesses that prefers an inexpensive solution for PoE deploying infrastructure.



1. LED Indicators
2. 10/100/1000Mbps RJ-45 Uplink Port
3. External power socket
4. 10/100/1000Mbps RJ-45 PoE Ports

### Key Features

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 10/100/1000Mbps wire speed transmission and reception
- 9K jumbo frames 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
- Total PoE power budget: 120W, up to 30W per port
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)

### Works Well With



#### FCS-5051

Fixed Network Camera, 2-Megapixel, Outdoor, 802.3af PoE, Day & Night, IR LEDs



## 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 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

#### Buffer Memory:

104KB

#### Connectors and Cabling:

- 4 x 10/100/1000Base-T RJ-45 PoE-Plus Ports  
- 1 x 10/100/1000Base-T RJ-45 Port

#### Indicator:

Power; Uplink; Link/Active; PoE

#### Transmission Method:

Store-and-Forward

#### Power:

Power Consumption: 120W  
Power Input: 100-240V AC, 50-60 Hz, External Power Adapter

### Features

#### General:

Flow Control: Half Duplex - Backpressure; Full Duplex - Pause frame

#### PoE:

Power Budget: Max. 140W  
Power Output: Up to 30W per port  
Protection: Circuit protection to prevent power interference between ports  
Pin Assignment: 1/2(+), 3/6(-)

### Performance

#### Backplane (Gbps):

10Gbps

#### MAC Address Table:

1K

#### 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):

8K

### 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 ~ 50°C  
Storage: -20°C ~ 70°C

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

## Physical Specifications

Dimensions (W x D x H mm):  
120 x 90 x 28 mm

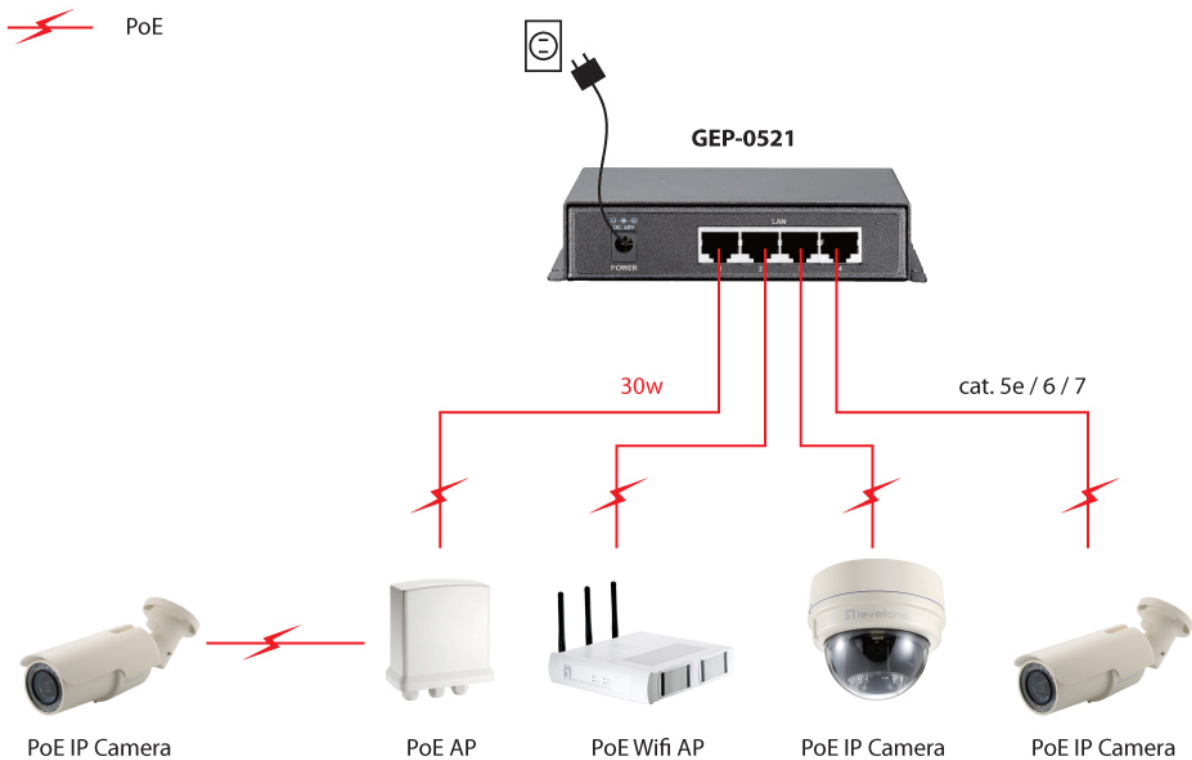
Weight (g):  
1200g

## Others

Approval and Compliance:  
FCC Part 15 Class A, CE

Deployment:  
Desktop and Chassis Mountable

## Diagram



## Order Information

GEP-0521



## Package Contents

GEP-0521  
Power Adapter  
Quick Installation Guide

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## Optional Accessory



**POC-4002**  
8-Bay Chassis, 500W



**POC-6000**  
8-Bay Chassis, 1000W

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