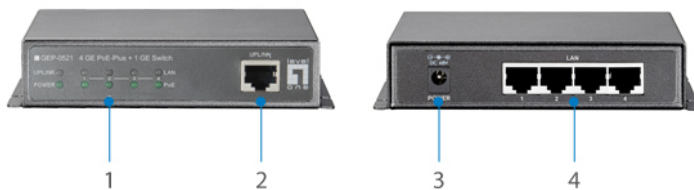


GEP-0521 Version: 1



5-Port Gigabit PoE Switch, 802.3af/at PoE, 4 PoE Outputs, 115W

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 115W, 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

- 1 Gigabit port and 4 Gigabit PoE ports
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 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: 115W, up to 30W per port
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)

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

Port:

- 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 Input:

100-240V AC, 50-60 Hz, External Power Adapter

Power Consumption:

<120W

Backplane (Gbps):

10Gbps

MAC Address Table:

1K

Data Rate:

10/100/1000Mbps

Features

General:

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

PoE:

Power Budget: Max. 115W

Power Output: Up to 30W per port

Protection: Circuit protection to prevent power interference between ports

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

Performance

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

Operating Temperature (°C):

Operating: 0°C ~ 50°C

Storage: -20°C ~ 70°C

Operating Humidity (Non-condensing):

Storage: 10% ~ 90%

Operating: 10 ~ 90%

Installation:
Desktop and Chassis Mountable

Physical Specifications

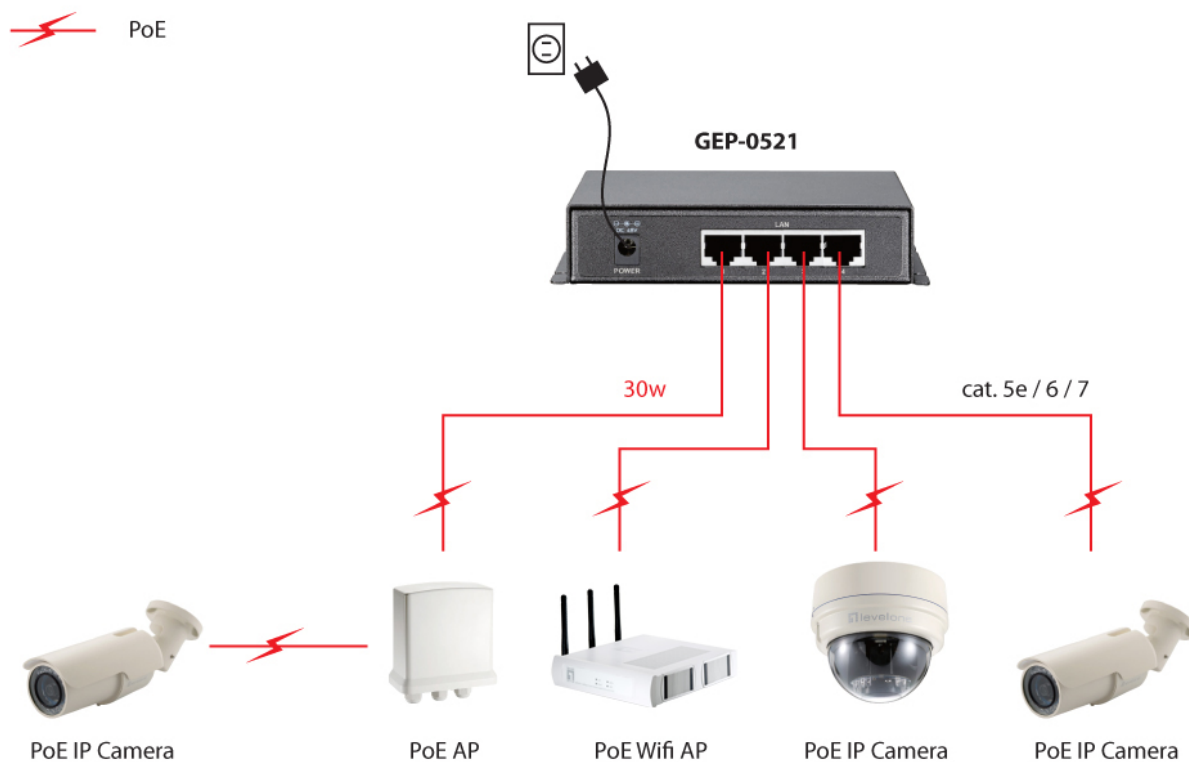
Dimensions (W x D x H mm):
120 x 90 x 28 mm

Weight (g):
1200g

Approval and Compliance

EMI/EMS:
FCC Part 15 Class A, CE, RoHS

Diagram



Order Information

GEP-0521

Package Contents

GEP-0521
Power Adapter
Quick Installation Guide



Optional Accessory



POC-4002

8-Slot Switch Chassis, 500W



POC-6000

8-Slot Switch Chassis, 1000W

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