4GE PoE + 1GE Switch

GEP-0520 (-Z)

H/W Version: 1

Advanced PoE Solution

The LevelOne GEP-0520 (-Z) is a high-performance 10/100/1000Mbps Gigabit PoE Switch with 4 Gigabit PoE ports + 1 Gigabit uplink port. Each PoE port is powered up to 15.4W. The total PoE power budget is 61.6W. It is an ideal solution for office and home users to utilize a combination of PoE and non-PoE devices. The switch automatically detects IEEE 802.3af compliant devices and provides power and data over a single cable.
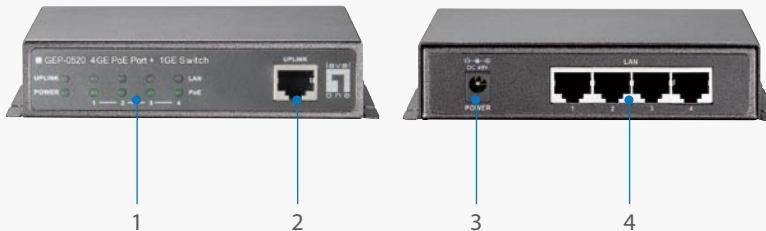
GEP-0520 (-Z) is compact in size, making it ideal for desktop users with limited space. You also have the option of installing several GEP-0520 (-Z) in a 19" chassis (POC-6000) for a large-scale rack-mount PoE Solution.

Stable and Reliable Network Environment

GEP-0520 (-Z) enables users to deploy a stable and reliable high-speed LAN environment, with store-and-forward switching architecture, the GEP-0520 (-Z) provides a stable and reliable packet error filtering and non-blocking packet forwarding architecture. This device supports N-way auto-negotiation protocol which automatically detects networking speed and duplex modes.

Easy to Use

For instant error detection, the GEP-0520 (-Z) is equipped with LED Indicators to define problems on the network.

1. LEDs
2. 10/100/1000 Mbps Uplink Port
3. External power socket
4. Gigabit PoE Ports

Key Features

- Complies with IEEE 802.3, 802.3u, 802.3ab and 802.3af
- 5-port 10/100/1000Mbps Ethernet with 4-port PoE Switch
- Provide 5 10/100/1000Mbps auto-detect with half/full duplex switch ports
- Provides 4 PoE ports with classification identify
- Supports 15.4W Maximum per PoE port

Works well with

POC-6000
8-Bay High Power PoE Chassis for FSW-0503(-Z) / FSW-0513(-Z) / GEP-0520(-Z)

WAP-6012
300Mbps *N_Max* Wireless Gigabit PoE Access Point

Technical Specifications

Standards
IEEE 802.3:   10 BASE-T
IEEE 802.3u: 100 BASE-TX
IEEE 802.3ab:1000 BASE-T
IEEE 802.3af: Power over Ethernet

Features
MAC Address: 1K
Buffer Memory: 104KB
Transmission Method: Store and Forward
Backplane: 10Gbps

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

Uplink Port
1

PoE Spec
Supports up to 15.4W for each PoE port
PoE power budget: 61.6W
PD classification identify
PoE over current protection
PoE circuit sorting protection
PoE power on RJ-45 pin 3,6 for power + / pin 1.2 for power

LED Indicators
Power, Uplink, LAN 1~4 port, PoE 1~4 port

Power Adaptor
100~240VAC/50~60Hz External Power Adapter

Dimensions (L x W x H)
120 x 90 x 28mm

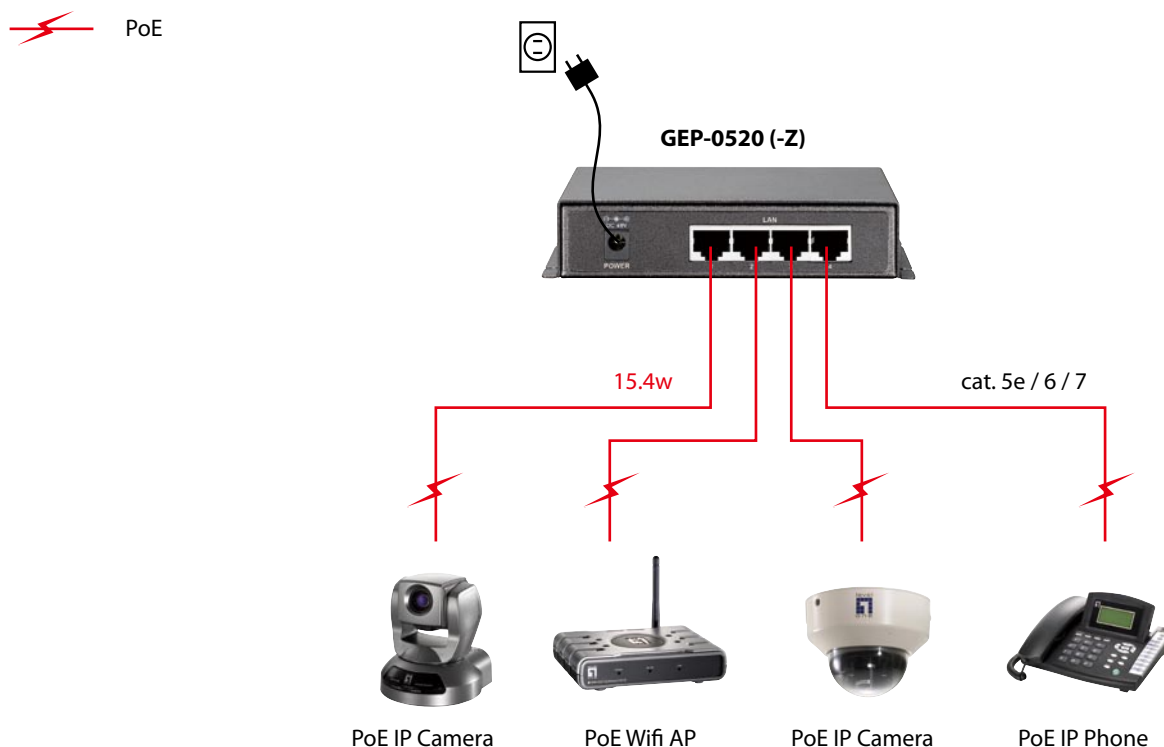### Weight
1.2kg

Operating Temperature
0~50°C

Humidity
10~90% RH (non-condensing)

Certifications
FCC, CE

Product Diagram

PoE

GEP-0520 (-Z)

15.4w

cat. 5e / 6 / 7

PoE IP Camera   PoE Wifi AP   PoE IP Camera   PoE IP Phone

Order Information   **GEP-0520:** 4GE PoE + 1GE Switch

GEP-0520-Z: 4GE PoE + 1GE Switch (no power included)

Package Contents   **GEP-0520:** GEP-0520 x 1, Power Adapter x 1, QIG x 1

GEP-0520-Z: GEP-0520 x 1, QIG x 1

Optional Accessories

POC-6000
8-Bay High Power PoE Chassis for
FSW-0503(-Z) / FSW-0513(-Z) /
GEP-0520(-Z)