

# 4GE PoE + 1GE Switch



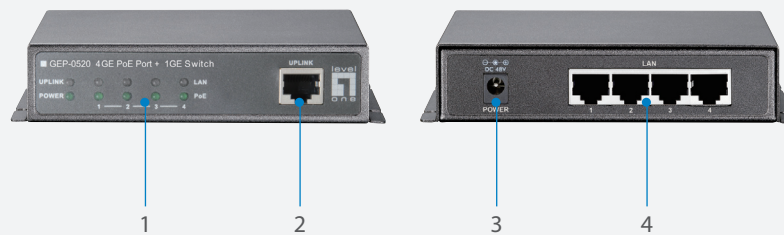
GEP-0520

H/W Version: 2

## Product Overview

The LevelOne GEP-0520 provides 5 x 10/100/1000Mbps ports with IEEE 802.3af PoE supported. This switch is IEEE 802.3af compliant, and provides power and data over a single Ethernet cable to any PoE device, with total power budget of 61.6W, up to 15.4W 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 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 PoE compliant to simplify deployment and installation
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- 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: 61.6W, up to 15.4W per 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 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  
 IEEE 802.3az: Energy Efficient Ethernet

### Features

MAC Address: 2K  
 Buffer Memory: 128KB  
 Transmission Method: Store-and-Forward  
 Backplane: 10Gbps  
 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

4 x 10/100/1000Mbps RJ-45 PoE Ports  
 1 x 10/100/1000Mbps RJ-45 Uplink Port

### PoE Spec

PoE Standard: IEEE 802.3af Power over Ethernet  
 PD classification identity  
 PoE over current protection  
 PoE circuit sorting protection  
 PoE Power Output: Per Port 48V DC, Max. 15.4 watts (802.3af)  
 PoE Power Budget 61.6W  
 Power Pin Assignment: 1/2(+), 3/6(-)

### Power Consumption

65W

### LED Indicators

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

### Power Input

48-56VDC / 50-60Hz External Power Adapter

### Dimensions (L x W x H)

120 x 90 x 28mm

### Weight

0.8kg

### Temperature

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

### Humidity

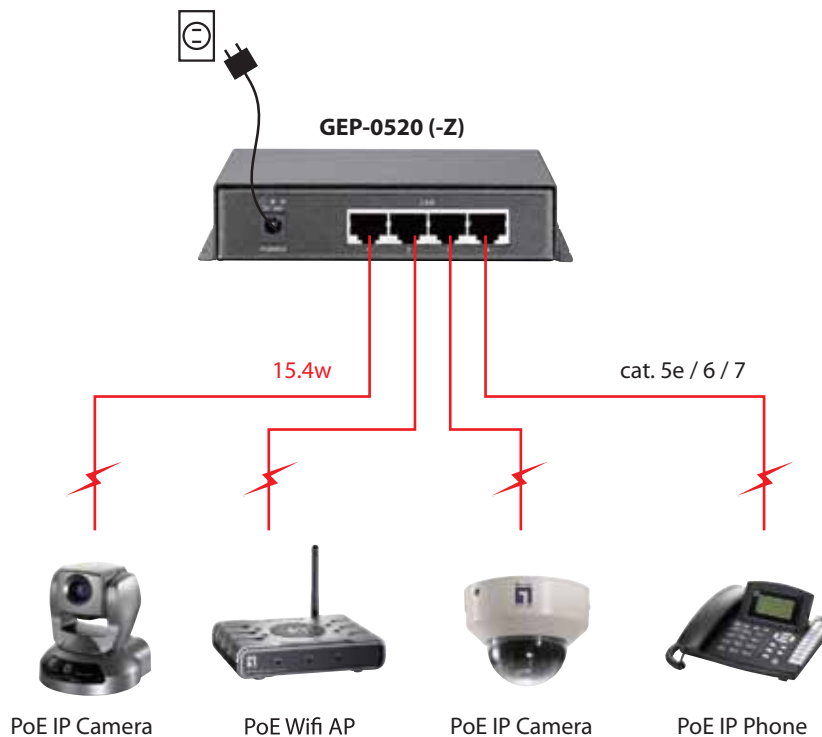
Operating: 10~90% (Non-condensing)  
 Storage: 10~90% (Non-condensing)

### Certifications

FCC, CE

## Product Diagram

 PoE



## Order Information

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

## Package Contents

GEP-0520, Power Adapter, Quick Installation Guide

## Optional Accessories



### **POC-6000**

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