

GEP-1621 Version: 1



## 16-Port-Gigabit-PoE-Switch, 802.3at/af PoE

The LevelOne GEP-1621 is a Gigabit PoE-Plus Switch with 16 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 240W, up to 30W per port. Ideal for desktops, it is also 19-inch rack-mountable, which provides convenient and flexible installation. The GEP-1621 is designed for small-to-median businesses that prefers an affordable solution for PoE deploying infrastructure.



1. LED Indicators
2. 10/100/1000Mbps RJ-45 PoE Ports
3. Power Socket
4. Power Switch

### Key-features

- 16 PoE-Plus Gigabit Ethernet Ports
- 10/100/1000Mbps Übertragungsgeschwindigkeit
- IEEE-802.3af / at PoE kompatibel zur einfachen Verwendung und Installation
- Automatische Erkennung und Schutz von Nicht-Standard-PoE-Geräten
- 9K Jumbo-Frames für hohe Transferraten
- Unterstützt Auto-Learning und Auto-Aging für bis zu 8K MAC-Adressen
- IEEE-802.3x Flow-Control schützt vor Packet-Loss und sorgt für zuverlässige Datenübertragung
- Minimiert den Stromverbrauch durch moderne Energieeffizienz (IEEE-802.3az)
- 19" Metallgehäuse
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## Related Product



### **POR-1220**

Gigabit PoE Repeater, Kaskadier, 802.3at/af PoE, Innen / Außen

## Specifications

### System Specifications

#### Standards & Protokolle:

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

#### Pufferspeicher:

256KB

#### Stecker und Verkabelung:

16 x RJ-45 10/100/1000Base-T PoE-Plus ports

#### Indikator:

Power; Link/Active; PoE

#### Übertragungsmethode:

Store-and-Forward

#### Leistungsaufnahme:

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

#### Energieverbrauch:

< 120W (GEP-1621W120)  
< 150W (GEP-1621W150)  
< 250W (GEP-1621)  
< 380W (GEP-1621W380)

#### Backplane (Gbps):

32Gbps

#### MAC-Adresstabelle:

8K

#### Datenrate:

10/100/1000Mbps

### Features

#### Allgemein:

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

#### PoE:

Power Budget:Max. 110W (GEP-1621W120)

Max. 140W (GEP-1621W150)

Max. 240W (GEP-1621)

Max. 370W (GEP-1621W380)

Power Output: Up to 30W per port

Protection: Circuit protection to prevent power interference between ports

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

## Performance

### Weiterleitungsrate:

1000Mbps port - 1,488,000pps

100Mbps port - 148,000pps

10Mbps port - 14,880pps

### Jumbo-Frames:

9KB

## Environment

### Energieeffizienz:

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

### Temperatur (°C):

Operating: 0°C ~ 50°C

Storage: -40°C ~ 70°C

### Luftfeuchtigkeit (nicht kondensierend):

Storage: 5% ~ 90%

Operating: 5% ~ 90%

### Einsatz:

19-inch rack-mountable

## Physical Specifications

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

480 x 200 x 44 mm

### Gewicht:

2900g

## Zuverlässigkeit

### MTBF:

48300 hours

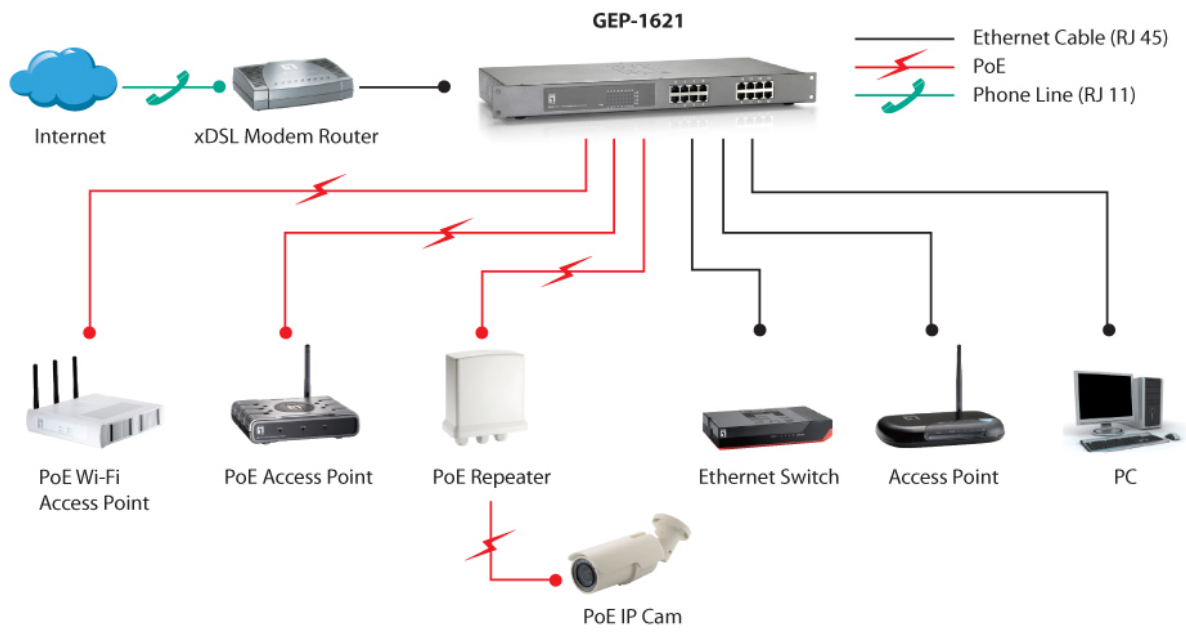
## Approval and Compliance

### Zertifizierung:

FCC Part 15 Class A, CE, RoHS



## Diagramm



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## Order Information

GEP-1621: 250W  
GEP-1621W380: 380W  
GEP-1621W150: 150W  
GEP-1621W120: 120W

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## Package Contents

GEP-1621  
Stromkabel  
Quick Installation Guide

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