GEP-1621 Version: 1

16-Port Gigabit PoE-Plus Switch, 240W

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 wire speed transmission and reception
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Auto-detection and protection of non-standard PoE devices
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- 19-inch metal housing
- Total PoE power budget: 240W, up to 30W per port
- Internal power supply

Highlight

Cost Effectiveness and Enhanced Flexibility

Featuring Power over Ethernet Plus (PoE+) technology (IEEE 802.3at), which nearly doubles the power delivery comparing to the IEEE 802.3af PoE technology. Furthermore, it ensures that the power is used more efficiently due to the maximum power will only be requested when it is needed. Thus providing great cost savings by reducing power bills and eliminating the need for additional power cables and outlets.

Related Product

FCS-5061
5-Megapixel Day/Night PoE-Plus Outdoor Network Camera

POR-1220
Outdoor Gigabit PoE-Plus Repeater

Specifications

System Specifications

Buffer Memory (KB):
256KB

Connectors and Cabling:
-16 x RJ-45 10/100/1000BASE-T PoE-Plus ports

Indicator:
Power; Link/Active; PoE

Transmission Method:
Store-and-Forward

Power:
Power Consumption: < 250W
Power Input: 100-240V AC, 50-60 Hz, Internal Power Supply

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

Physical Specifications

Dimensions (W x D x H mm):
480 x 200 x 44 mm

Weight (g):
2900g

Performance

Backplane (Gbps):

32Gbps

MAC Address Table:
8K

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):
9KB

Features

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

PoE:
Power Budget: Max. 240W
Power Output: Up to 30W per port
Protection: Circuit protection to prevent power interference between ports
Pin Assignment: 1/2(+), 3/6(-)

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: -40°C ~ 70°C

Humidity (Non-condensing):
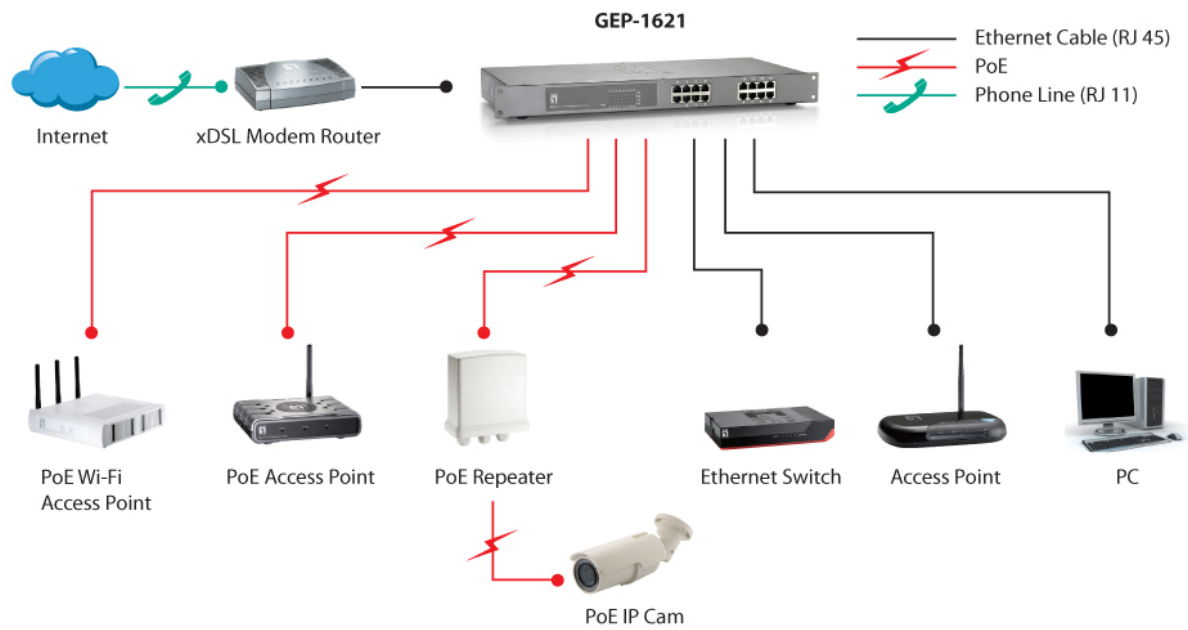Storage: 5% ~ 90%
Operating: 5% ~ 90%

Others

Approval and Compliance:
FCC Part 15 Class A, CE

Deployment:
19-inch rack-mountable

Diagram

GEP-1621

Internet — xDSL Modem Router — GEP-1621

Ethernet Cable (RJ 45)
PoE
Phone Line (RJ 11)

PoE Wi-Fi Access Point
PoE Access Point
PoE Repeater
Ethernet Switch
Access Point
PC
PoE IP Cam

Order Information

GEP-1621

Package Contents

Power Cord
Quick Installation Guide