GEP-1622 Version: 1

16-Port Gigabit PoE-Plus Switch, 480W

The LevelOne GEP-1622 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 480W, up to 30W per port. Ideal for desktops, it is also 19-inch rack-mountable, which provides convenient and flexible installation. The GEP-1622 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: 480W, up to 30W per port
- Internal power supply

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: 500W
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

Features

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

PoE:
Power Budget: Max. 480W
Power Output: Up to 30W per port
Protection: Circuit protection to prevent power interference between ports
Pin Assignment: 1/2(+), 3/6(-)

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

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%

Physical Specifications

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

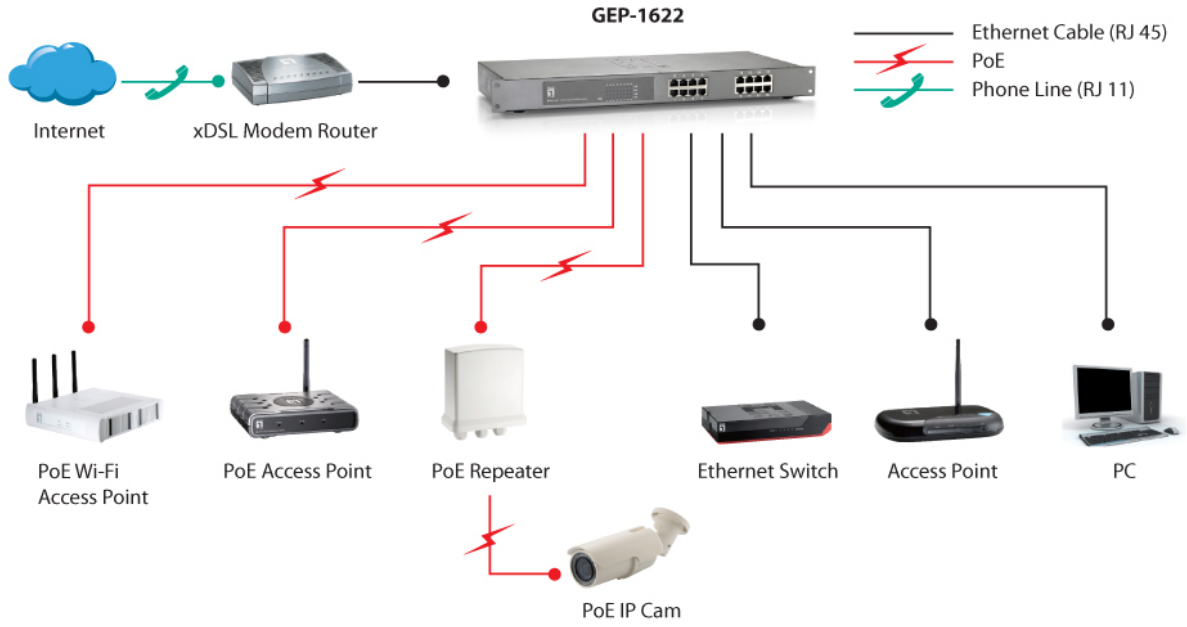
Weight (g):
3400g

Others

Approval and Compliance:
FCC Part 15 Class A, CE

Deployment:
19-inch rack-mountable

Diagram



Order Information

GEP-1622

Package Contents

Power Cord
Quick Installation Guide

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