

8-Port Gigabit PoE Plus Switch



GEP-0820

H/W Version: 2

Product Overview

The LevelOne GEP-0820 provides 8 x 10/100/1000Mbps ports with IEEE 802.3at PoE plus supported. This switch is IEEE 802.3af/at compliant, and provides power and data over a single Ethernet cable to any PoE device, with total power budget of 61.6W, up to 30W 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.

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.



1. LED Indicators
2. 10/100Mbps RJ-45 PoE Ports
3. Power Port
4. Wall-Mountable

Key Features

- IEEE 802.3at PoE Plus 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 30W per port

Works Well With



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



WAP-6012
300Mbps Wireless Gigabit PoE
Access Point



Technical Specifications

Standards

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
 IEEE 802.3at Power over Ethernet Plus
 IEEE 802.3az: Energy Efficient Ethernet

Features

MAC Address: 8K
 Buffer Memory: 128KB
 Transmission Method: Store-and-Forward
 Backplane: 16Gbps
 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

8 x 10/100/1000Mbps RJ-45 PoE Ports

PoE Spec

PoE Standard: IEEE 802.3af/at Power over Ethernet / PSE
 PD classification identity
 PoE over current protection
 PoE circuit sorting protection
 PoE Power Output: Per Port 56V DC, Max. 15.4 watts (IEEE 802.3af) or 30 watts (IEEE 802.3at)
 Power Budget: Max. 61.6W
 Power Pin Assignment: 1/2(+), 3/6(-)

LED Indicators

Power, Active, 10/100M, 1000M, PoE

Power Input

100-240V DC / 50-60Hz 1.35A External Power Adapter

Power Consumption

65W

Dimensions (L x W x H)

280 x 185 x 44 mm

Weight

1.2kg

Temperature

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

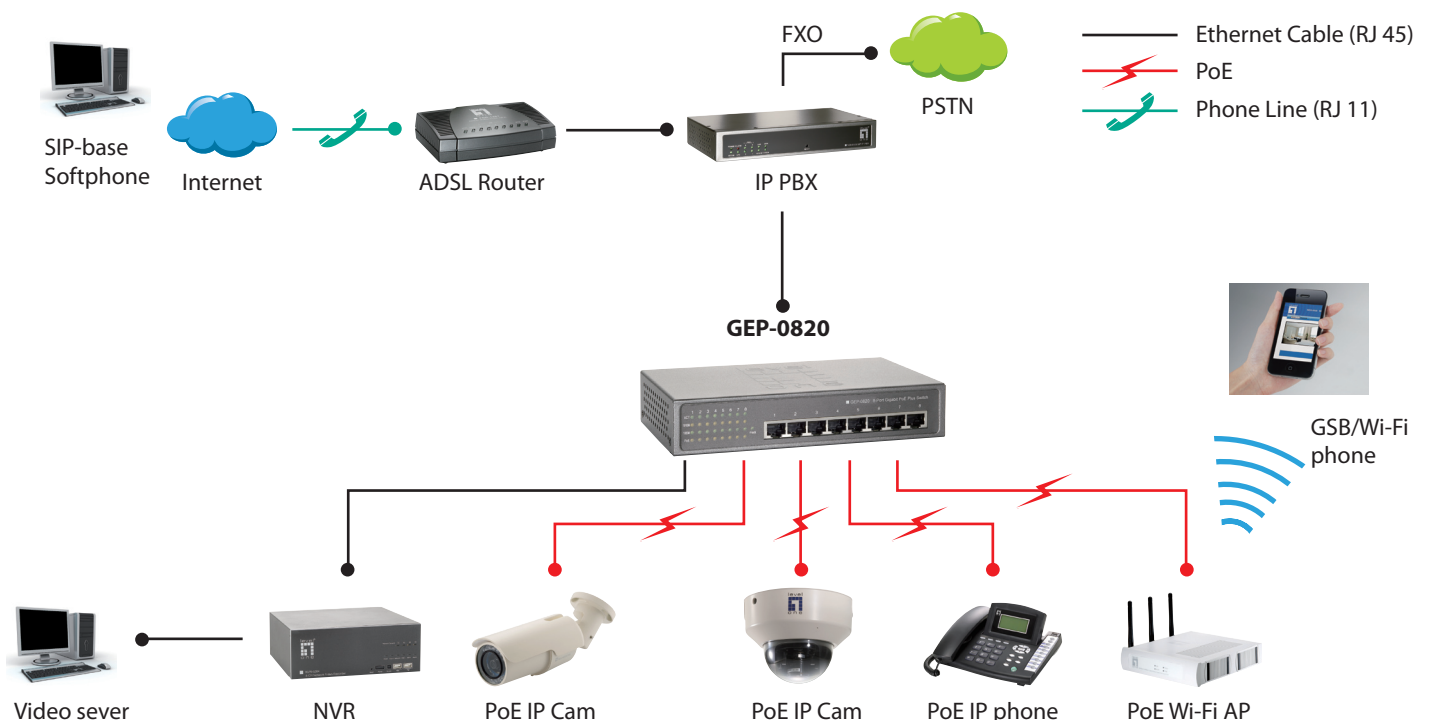
Humidity

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

Certifications

FCC, CE

Product Diagram



Order Information

GEP-0820: 8-Port Gigabit PoE Plus Switch

Package Contents

GEP-0820

Power Adapter with Power Cord

Quick Installation Guide