GEP-0523 Version: 1

5-Port Gigabit PoE Switch, 802.3at/af PoE, 4 PoE Outputs, 60W

The LevelOne GEP-0523 is a Gigabit Ethernet PoE switch with a total of 5 ports, one of which is available as uplink port and 4 ports for Power over Ethernet. Per PoE port a power supply of up to 30W is possible. The total PoE power budget is 60W. It is an ideal solution when office and home users use a combination of PoE and non-PoE devices.

The GEP-0523\'s four PoE-enabled ports make it the ideal solution for office users using PoE-enabled devices in the workplace. This can include a mix of PoE IP phones, PoE Wifi APs and PoE IP cams. It is the perfect solution for offices that want to upgrade their office equipment and LAN infrastructure to PoE capability or upgrade with Gigabit performance. The switch automatically detects the connected IEEE 802.3at/af standard device and provides these devices with power and data over a single cable.

In addition, the GEP-0523 enables users to provide a stable and reliable high-speed LAN environment with store-and-forward switching architecture, packet error filtering and blockage-free packet forwarding. The 802.3x flow control mechanisms operate in both full and half duplex modes. This device supports the N-Way Auto Negotiation protocol, which automatically detects network speed and duplex mode.

For instant fault detection, the GEP-0523 is equipped with a full range of LEDs to help monitor and troubleshoot the network.

Key Features

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 10/100/1000Mbps wire speed transmission and reception
- 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: 60W, up to 30W per port

Specifications

System Specifications

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 Full-duplex Flow Control
IEEE 802.3af Power over Ethernet (PoE)
IEEE 802.3at Power over Ethernet Plus (PoE+)

Buffer Memory:
1M

Port:
4 x 10/100/1000Base-TX RJ-45 PoE 1~4 Ports
1 x 10/100/1000Base-TX RJ-45 Uplink 5 Port

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

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

Transmission Method:
Store-and-Forward

Power Input:
52VDC @ 1.25A 65W

Power Output:
< 60W

Power Consumption:
< 5W

Backplane (Gbps):
10Gbps

MAC Address Table:
8K

Data Rate:
10/100/1000Mbps

Features

PoE:
Power Budget: Max. 60W
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)

Performance

Jumbo Frame (K):
9126 bytes

Environment

Operating Temperature (°C):
-20~70ºC

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

Storage Temperature (°C):
-20~70ºC

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

Physical Specifications

Dimensions (W x D x H mm):
110.20mm × 95.70mm × 30.00mm

Weight (g):
750

Reliability

MTBF:
30,000 hours

Approval and Compliance

EMI/EMS:
CE,FCC

Order Information

GEP-0523

Package Contents

GEP-0523
Quick Installation Guide
Power adapter with power cord