![level one logo]

GEP-0522 Version: 1

5-Port Gigabit PoE Switch, 65W, 802.3at PoE+, 4 PoE Outputs

The GEP-0522 is a 5-port 10/100/1000M Gigabit Ethernet Switch with one uplink port plus 4 ports of Power over Ethernet capability. Per PoE port is power supply up to 30W. The total PoE power budget is 65W. It is an ideal solution where office and home users utilize a combination of PoE and non-PoE enabled devices.

Four ports on the GEP-0522 are PoE enabled making it an ideal solution for most office users that have PoE enabled devices located around the office. These products can include a mixture of PoE IP Phones, PoE wifi APs and PoE IP Cam. It is the perfect answer for offices that are upgrading their office equipment and LAN infrastructure to include PoE capability. The switch automatically detects IEEE 802.3at/af standard device connected and provides power and data over a single cable to these devices.
The GEP-0522 enables users to deploy a stable and reliable high-speed LAN environment, with store-and-forward switching architecture, packet error filtering and non-blocking packet forwarding. The 802.3x and backpressure flow control mechanisms work respectively for full and half duplex modes. This device supports N-way auto-negotiation protocol that automatically detects networking speed and duplex modes. For instant error detection, the GEP-0522 is equipped with a full range of LEDs to help monitor and troubleshoot problems on the network.

Key Features

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 10/100/1000Mbps wire speed transmission and reception
- 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: 65W, up to 30W per port
- Internal power supply

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:
128KB

Connectors and Cabling:
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, 10/100M, PoE

Transmission Method:
Store-and-Forward

Power:
Power Consumption: < 65W
Power Input: 100-240V AC, 50-60 Hz, 2A Internal Power Supply

Features

PoE:
Power Budget: Max. 65W
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 Pin Assignment: 1/2(+), 3/6(-)

Performance

MAC Address Table:
2K

Data Transfer Rate:
10/100/1000Mbps

Packet Forwarding Rate:
1000Mbps port - 148,0000pps
100Mbps port - 148,000pps
10Mbps port - 14,880pps

Environment

Temperature (°C):
Operating: 0°C ~ 50°C

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

Physical Specifications

Dimensions (W x D x H mm):
160 x 122 x 44 mm

Weight (g):
800g

Order Information

GEP-0522

Package Contents

GEP-0522
Power Cord
Quick Installation Guide