



GEP-1061 Version: 1

## 10-Port-L2-Managed-Gigabit-PoE-Switch, 2 x SFP, 802.3at PoE+, 125W

The GEP-1061 is a L2 managed switches designed for the SMB market. The switches can be deployed indifferent target network topologies, from small to large. The GEP-1061 is a full-PoE fanless design switch, it supports up to 8 ports at 15.4 W, or 4 ports at 30 W to meet the increasing power demands of users. As well as IPv4 and IPv6 features. The GEP-1061 includes the best green-saving technologies (IEEE 802.3az and Green-Ethernet). Using the Energy Efficient Ethernet standard, the switch automatically decreases power usage when network traffic is low.

### Key-features

- 8 PoE-Plus Gigabit Ethernet Ports und 2 Gigabit SFP Slots
- IEEE-802.1d/w/s Spanning Tree Protocol (STP) und Port-Spiegelung
- IEEE-802.3ad LACP für Auto-Port-Aggregation
- Port-basierende IEEE-802.1X-Authentifizierung über Zugriffliste (ACL) mit bis zu 512 Einträgen für eine einfache Netzwerksicherheit
- IP Multicast Filtering mittels IGMP Snooping V1/ V2/ V3
- unterstützen Port-basiertes VLAN, IEEE 802.1Q-VLAN-Tagging
- Unterstützt IPv4/IPv6
- IEEE 802.1p QoS mit 8 priority queues
- Gesamt-PoE-Leistung: 125 W, bis zu 30 W pro 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 802.3z 1000BASE-X, Gigabit Ethernet  
 IEEE 802.1p Quality of Service (QoS)  
 IEEE 802.1Q Virtual LANs (VLANs)  
 IEEE 802.1D MAC Bridges  
 IEEE 802.1d Standard Spanning Tree Protocol  
 IEEE 802.1s Multiple Spanning Tree (MSTP)  
 IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)  
 IEEE 802.3x Flow Control  
 IEEE 802.3ad Link Aggregation Control Protocol (LACP)  
 IEEE 802.3af Power over Ethernet (PoE)  
 IEEE 802.3at Power over Ethernet Plus (PoE+)  
 IEEE 802.3az Energy-Efficient Ethernet  
 Link Layer Discovery Protocol (LLDP)  
 Universal Plug and Play (UPnP)

**Memory:**

32MB

**Pufferspeicher:**

4.1Mbits

**Connectors and Cabling:**

8x RJ-45 10/100/1000BASE-T PoE ports

2 x 100/1000Base-X SFP Slots

**Taster:**

Reset / Factory Default Button

**Indikator:**

Power; Link/Active

**Transmission Method:**

Store-and-Forward

**Power Input:**

100-240V AC, 50-60 Hz, Internal Power Supply

**Power Consumption:**

< 80W

## Features

**General:**

Quality of Service (QoS):

8 hardware Priority Queues per port

Traffic classification based on IEEE 802.1p CoS

IPv4/IPv6 precedence/ type of service (ToS) / DSCP based

Rate Limiting - Ingress policer egress shaping and rate control

**Spanning Tree:**

Bridge Protocol Data Units (BPDU)

IEEE 802.1D MAC Bridges

IEEE 802.1d Spanning Tree Protocol (STP)

IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)

IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)

**Virtual Local Area Network (VLAN):**

802.1Q tag-based VLAN - up to 4K VLANs and 4K VLAN IDs

Port-based VLAN

MAC-based VLAN

DHCP: DHCP Client, DHCP Relay (Layer 2)

IPv6: IPv6 Ping / Trace /Telnet / Syslog / TFTP

IGMP: IGMP v1/v2/v3 snooping, IGMP Queried, IGMP Filtering / Throtting

Port Mirroring: One to One / One to Many

IEEE 802.3ad LACP Trunk (8 Trunks)

**PoE:**

Power Budget: Max. 125W

Support IEEE 802.3af (15.4 W)/IEEE802.3at (30W) on each port

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

Dynamic Power Allocation

Auto disable after exceeding power budget

PoE Timer

**Security:**

DDOS Protection

CPU Guard

Port Isolation

Port Mirror /Remote Mirror

Broadcast / Multicast / Unknown Storm Control

ACL  
Port Security  
MAC Filter / MAC Authentication  
AAA  
IP Source Guard  
SSH

**Management:**

System Password protection  
NTP/SNTP  
Dual Image /Configuration  
Firmware upgrade /download (HTTP/TFTP/FTP)  
RMON/ SNMP  
Management Access ( Console / SNMP/ Web / Telnet )  
Memory Flash Log  
Event /Error Log  
DHCP v4/v6 Snooping  
DHCP Snooping Option82

**Ease of Use:**

Dashboard

## Performance

**Backplane (Gbps):**

20Gbps

**MAC-Adresstabelle:**

8K

**Datenrate:**

10/100/1000Mbps

**Weiterleitungsrate:**

14.9 Mpps

**Jumbo-Frames:**

10K

## Environment

**Energieeffizienz:**

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

**Acoustic Noise:**

0 dB (A)

**Heat Dissipation:**

545.933 (Btu/H)

**Temperatur (°C):**

0-40 C

**Luftfeuchtigkeit (nicht kondensierend ):**

10-90%

**Deployment:**

desktop & 19-inch rack-mountable

## Physical Specifications



**Abmessungen (W x D x H mm):**

330x204x43mm

**Gewicht:**

Gross: 4600g

Net: 2400g

## Zuverlässigkeit

**MTBF:**

25 degreeC: 1296413 hrs

45 degreeC: 865820 hrs

## Approval and Compliance

**Zertifizierung:**

CE classA, FCC, UL, VCCI, BSMI

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## Order Information

GEP-1061

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## Package Contents

GEP-1061

Stromkabel

19" Einbaurahmen

Quick Installation Guide

Ressource CD (Bedienungsanleitung)

Konsolenkabel