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 supportsup 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 decreasespower usage when network traffic is low.

Key Features

- 8 PoE-Plus Gigabit Ethernet ports and 2 Gigabit SFP slots
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- IEEE 802.3ad LACP for auto port aggregation
- Supports Access Control List (ACL) authentication of up to 512 entries and port-based security with IEEE802.1X
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- Supports IPv4/IPv6 network operation
- IEEE 802.1p QoS with 8 priority queues
- Total PoE power budget: 125W, 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 802.3z 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

Buffer Memory:
4.1Mbits

Connectors and Cabling:
8x RJ-45 10/100/1000BASE-T PoE ports
2 x 100/1000Base-X SFP Slots

Button:
Reset / Factory Default Button

Indicator:
Power; Link/Active

Transmission Method:
Store-and-Forward

Power:
Power Consumption: < 80W
Power Input: 100-240V AC, 50-60 Hz, Internal Power Supply

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

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
802.1X
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 / Telent)
Memory Flash Log
Event /Error Log
DHCP v4/v6 Snooping
DHCP Snooping Option82

Ease of Use:
Dashboard

Performance

Backplane (Gbps):
20Gbps

MAC Address Table:
8K

Data Transfer Rate:
10/100/1000Mbps

Packet Forwarding Rate:
14.9 Mpps

Jumbo Frame (K):
10K

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

Acoustic Noise:
0 dB (A)

Heat Dissipation:
545.933 (Btu/H)

Temperature (°C):
0-40 C

Humidity (Non-condensing):
10-90%

Deployment:
desktop & 19-inch rack-mountable

Physical Specifications

Dimensions (W x D x H mm):
330x204x43mm

Weight (g):
Gross: 4600g
Net: 2400g

Reliability

MTBF:
25 degreeC: 1296413 hrs
45 degreeC: 865820 hrs

Others

Approval and Compliance:
CE classA, FCC, UL, VCCI, BSMI

Order Information

GEP-1061

Package Contents

GEP-1061
Power Cord
19" Rackmount Kit
Quick Installation Guide
Resource CD (User Manual)
Console Cable