

GEP-2681 Version: 1



26-Port L3 Lite Managed Gigabit PoE Switch, 24 PoE-Ausgängen, 185W, 2 x SFP/RJ45 Combo

LevelOne GEP-2681 L3 Lite Managed PoE+ Switch is a next-generation Ethernet Switch offering full suite of L2 features, better PoE functionality and usability, including advanced L3 features such as Static Route that delivers better cost performance and lower total cost of ownership in Enterprise networks via fiber or copper connections. LevelOne GEP-2681 delivers 24 (10M/100M/1000Mbps.) RJ45/PoE+ (Support 802.3at/af, and total up to 185W) ports, 2 Combo GbE RJ45/SFP ports and RJ45 Console port. LevelOne GEP- 2681 provides high HW performance and environment flexibility for SMBs and Enterprises. LevelOne GEP-2681 is ideal to deliver management simplicity, intuitive user experience, and lower total cost of ownership. The embedded Device Managed System is designed to be extremely easy-to-use/manage/install IP Phone, IP Cam, or WifiAP for Enterprise Applications.

Key-features

- 24 PoE-Plus Gigabit Ethernet Ports und 2 Gigabit SFP Slots
- QoS-Steuerung zur Traffic- und Bandbreitenverwaltung
- DHCP-Client/Server
- Unterstützt IPv4/IPv6
- Minimiert den Stromverbrauch durch moderne Energieeffizienz (IEEE-802.3az)
- IEEE-802.1d/w/s Spanning Tree Protocol (STP) und Port-Spiegelung
- IP Multicast Filtering mittels IGMP Snooping V1/ V2/ V3
- Unterstützt Universal Plug and Play (UPnP) zur automatischen Konfiguration von Netzwerkgeräten
- IEEE-802.3ad LACP für Auto-Port-Aggregation

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 802.1X Port-based Network Access Control (PNAC)
- 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)

Memory:

RAM : 128 MB

Flash : 32 MB

Pufferspeicher:

512 KB

Connectors and Cabling:

24 (10M/100M/1G) RJ45/PoE+ (Support 802.3at/af, and total up to 185W) ports, 2 Combo GbE RJ45/SFP ports and RJ45 Console port.

Taster:

Mode / Reset Button

Indikator:

System, Link/Act/Speed, PoE

Transmission Method:

Store-and-Forward

Power Input:

100-240 VAC 50~60 Hz, internal, universal

Power Output:

12V

Power Consumption:

16.79 W

Features

General:

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 802.1X Port-based Network Access Control (PNAC)

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)

PoE:

Power Budget: Max. 185W

Power Output: Up to 30W per port

Protection: Circuit protection to prevent power interference between ports

Management: PoE status, PoE on/off scheduling, PoE power delay, PoE live checking, Per port power priority setting, PD classification identity

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

Security:

ACLs?L2/L3/L4

ACLs?IPv6 Support

Port Security (MAC-based)

IP Source Guard

Storm Control

RADIUS Authentication 802.1x

TACACS Authentication

HTTPs and SSL (Secured Web)

BPDU Guard
STP Root Guard
DHCP Snooping
Loop Protection

Management:

Switch Management:

DHCP?Client?Relay?Option 66?Option 67?Option 82
Event/Error Log?Syslog?SMTP (RFC821)
Management Access Filtering?SNMP?Web?Telnet?SSH
PoE Management?Scheduling?Auto-Checking?Power DelaySNMP (v1, v2c, v3)
RMON (1,2,3 & 9 Groups)
Software Upgrade
Configuration Export/Import
Port Mirroring
LLDP (IEEE802.1AB)
LLDP-MED (IEEE802.1AB)
CDP Aware
sFlow
IPv6 Management
NTP

L3:

Static Route
DHCP Server

Ease of Use:

Firmware and Configuration: Upgrade via HTTP

Performance

Backplane (Gbps):

Switching Bandwidth: 52Gbps
Forwarding Performance : 38.7Mpps

MAC-Adresstabelle:

8K

Datenrate:

10/100/1000Mbps

Weiterleitungsrate:

38.68 Mpps

Jumbo-Frames:

9600

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

Temperatur (°C):

Operating: 0°C ~ 45°C

Storage: -20°C ~ 70°C

Luftfeuchtigkeit (nicht kondensierend):

Storage: 10% ~ 90%

Operating: 10 ~ 90%



Deployment:
19-inch rack-mountable

Physical Specifications

Abmessungen (W x D x H mm):
442 x 211 x 44 mm

Gewicht:
3300g

Zuverlässigkeit

MTBF:
25°C?463,931(hr) 40°C?305,837(hr)

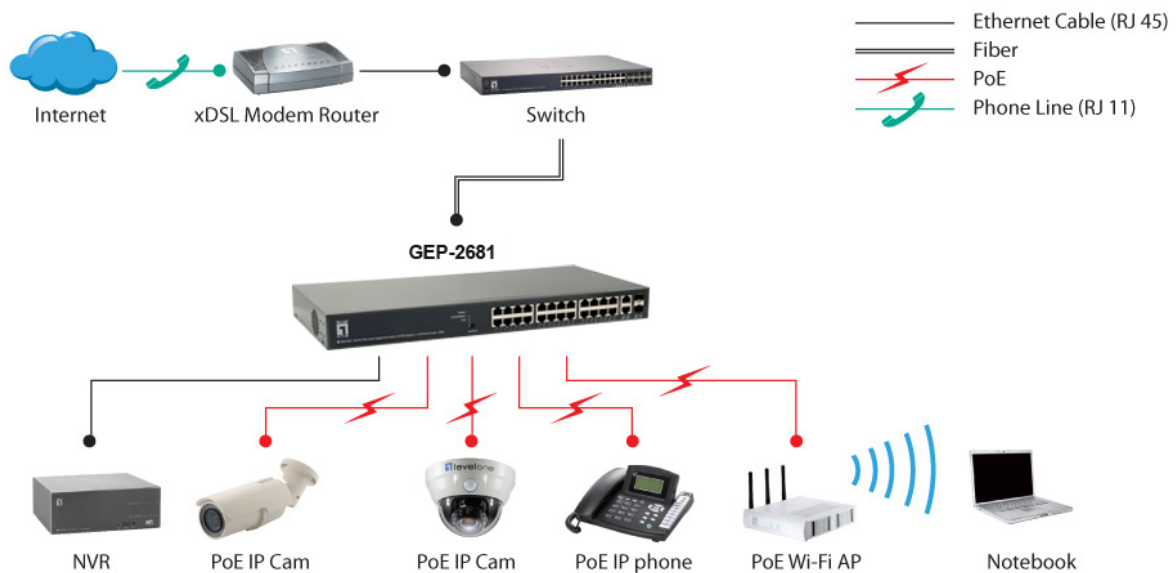
Approval and Compliance

Zertifizierung:
CE, FCC Part 15 Class A

Safety:
UL 60950-1, 2nd Edition, 2014-10-14 (Information Technology Equipment - Safety - Part 1: General Requirements)
CAN/CSA C22.2 No. 60950-1-07, 2nd Edition, 2014-10 (Information Technology Equipment - Safety - Part 1: General Requirements)

Others:
DMS

Diagramm



Order Information

GEP-2681

Package Contents

GEP-2681

Stromkabel

Konsolenkabel

Quick Installation Guide

Ressource CD (Bedienungsanleitung, QIG)

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