GEP-2651 Version: 1

26-Port-Web Smart-Gigabit-PoE-Switch, 24 PoE-Ausgängen, 2 x SFP/RJ45 Combo, 185W

GEP-2651 Web Smart Gigabit PoE Switch is a next-generation Ethernet Switch offering powerful L2 features, Layer 3 Static Route, better PoE functionality and usability that delivers the cost-effectively business and transports Ethernet services via fiber or copper connections. GEP-2651 delivers 24 (10M/100M/1G) RJ45/PoE+ (Support 802.3at/af, and total up to 185W) ports and 2 Combo GbE RJ45/SFP ports. GEP-2651 provides high HW performance and environment flexibility for SMBs and Enterprises. GEP-2651 is ideal to deliver management simplicity, optimum 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 Wifi-AP 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
- unterstützen Port-basiertes VLAN, IEEE 802.1Q-VLAN-Tagging
- IEEE-802.3ad LACP für Auto-Port-Aggregation

Specifications

System Specifications

Standards & Protocols:
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 802.3ad 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 and 2 Combo GbE RJ45/SFP ports

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:
18.29 W

Features

General:
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 256 VLANs and 4096 VLAN IDs
Port-based VLAN
MAC-based VLAN
DHCP: DHCP Client
IPv6:
IPv6 host mode; IPv6 stateless address auto-configuration; Duplicate Address Detection (DAD)
ICMP v6;
IGMP:
IGMP v1/v2/v3 snooping; IGMP Queried; IGMP Proxy
IPv6 QoS Prioritize IPv6 packets in hardware
Port Mirroring:
Many-to-One TX/RX
Port Trunking:
IEEE 802.3ad LACP Trunk -Static Trunk up to 25 trunk groups

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 Auto checking, Per port power priority setting
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
HTTPs and SSL (Secured Web)
BPDU Guard
STP Root Guard
DHCP Snooping
Loop Protection

Management:
Switch Management:
DHCP?Client?Option 66?Option 67
Event/Error Log?Syslog?SMTP (RFC821)
Management Access Filtering?SNMP?Web
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
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 211x 44 mm

Gewicht:
3100g

Zuverlässigkeit

MTBF:
25’C?211,272(hr)
40’C?103,032(hr)

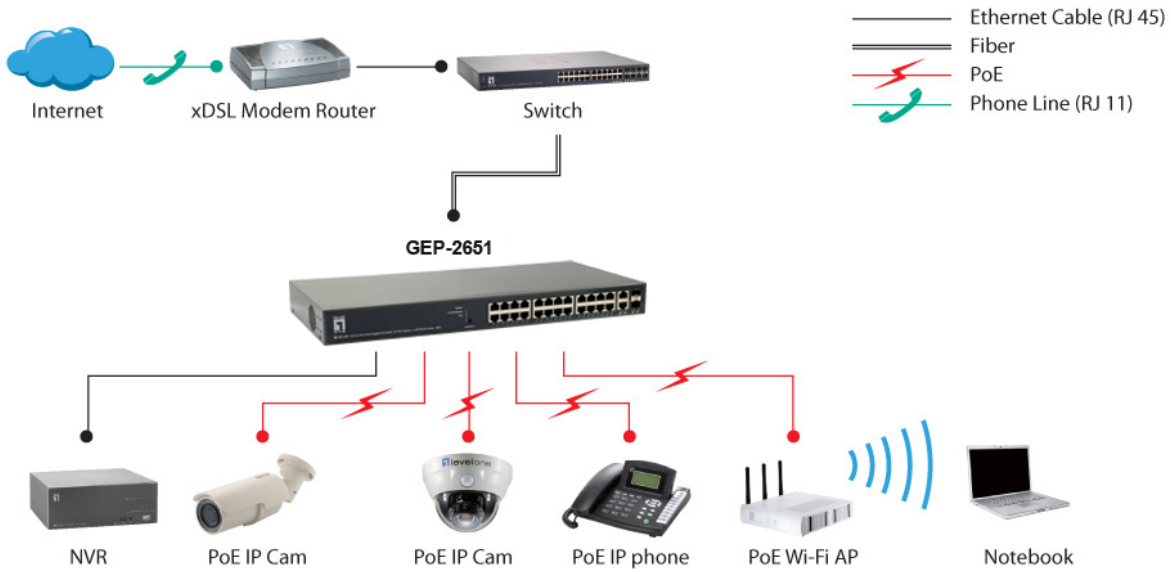
Approval and Compliance

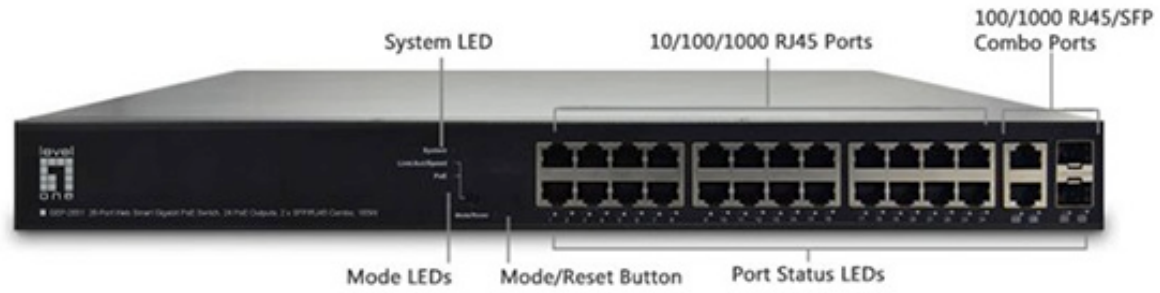
Zertifizierung:
CE, FCC Part 15 Class A

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-2651

Package Contents

GEP-2651
Ressource CD (Bedienungsanleitung, QIG)
Stromkabel
Quick Installation Guide

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