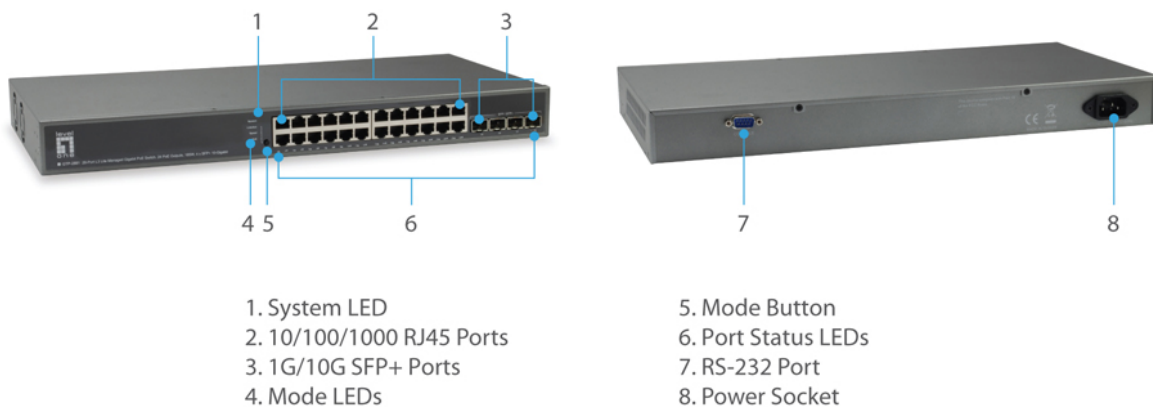


GTP-2881 Version: 1



TURING 28-Port L3 Lite Managed Gigabit PoE Switch, 24 PoE Outputs, 4 x 10GbE SFP+

GTP-2881 L3 Lite Managed PoE+ Switch is a next-generation Ethernet Switch offering full suite of L2 features, additional 10GbE uplink connections, 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. GTP-2881 delivers 24 (10M/100M/1G) RJ45/PoE+ (Support 802.3at/af, and total up to 185W) ports, 4 GbE/10G SFP+ ports and DB9 Console port. GTP-2881 provides high HW performance and environment flexibility for SMBs and Enterprises. GTP-2881 is ideal to deliver management simplicity, optimum user experience, and lower total cost of ownership.



Key Features

- 24 Gigabit PoE ports and 4 10-Gigabit SFP slots
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- Supports Access Control List (ACL) authentication of up to 512 entries and port-based security with IEEE802.1X
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging and GVRP
- Supports IPv4/IPv6 network operation
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- IEEE 802.3ad LACP for 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

Buffer Memory:

4 MB

Port:

24 x 10/100/1000Mbps RJ45 PoE port
4x 10 Gigabit SFP port
1 x RJ45 Console port

Button/Knob:

Mode / Reset Button

Indicator:

System, Link/Act/Speed, PoE

Transmission Method:

Store-and-Forward

Power Input:

100-240 VAC 50~60 Hz

Power Consumption:

16.79W(without PoE)

Backplane (Gbps):

Switching Bandwidth: 128Gbps
Forwarding Performance : 95.232Mpps

MAC Address Table:

32K

Data Rate:

10/100/1000Mbps

Features

General:

Device Management System (DMS)
IGMP: IGMP v1/v2/v3 snooping, IGMP Queried, IGMP Proxy
Virtual Local Area Network (VLAN):
Port-based VLAN
802.1Q tag-based VLAN
MAC-based VLAN
Management VLAN

Private VLAN Edge (PVE)
Q-in-Q (double tag) VLAN
Voice VLAN
GARP VLAN Registration Protocol (GVRP)
DHCP: DHCP Client

PoE:

Power Budget: Max. 185W (GTP-2881)
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 Delay
SNMP (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
ARP

Ease of Use:

Firmware and Configuration: Upgrade via HTTP

Performance

Packet Forwarding Rate:

95.232 Mpps

Jumbo Frame (K):

10k



Switching Capacity:
128Gbps

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

Heat Dissipation:

full loading(PoE on): 1526.86 BTU/hr

Operating Temperature (°C):

Operating: 0°C ~ 45°C

Storage: -20°C ~ 70°C

Operating Humidity (Non-condensing):

Storage: 10% ~ 90%

Operating: 10 ~ 90%

Installation:

19-inch rack-mountable

Physical Specifications

Dimensions (W x D x H mm):

442 x 211x 44 mm

Weight (g):

3700g

Reliability

MTBF:

25°C:463,931(hr)

40°C:305,837(hr)

Approval and Compliance

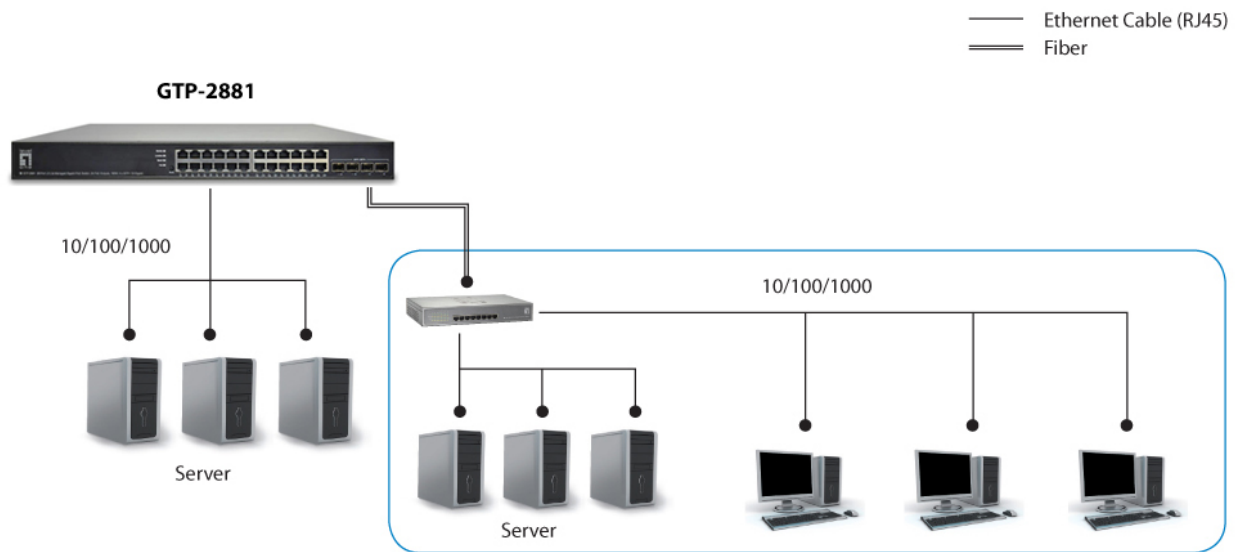
EMI/EMS:

CE, FCC Part 15 Class A, CSA

Safety:

LVD, UL, CB IEC-60950-1

Diagram



Order Information

GTP-2881: PoE 185W

Package Contents

GTP-2881
Power Cord
Console Cable
Quick Installation Guide
Resource CD (User Manual)
19" Rack Mount Kit

Optional Accessory



DAC-0101

10Gbps SFP Direct Attach Copper Cable, 1m, Twinax



DAC-0103

10Gbps SFP Direct Attach Copper Cable, 3m, Twinax



DAC-0105

10Gbps SFP Direct Attach Copper Cable, 5m, Twinax



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