

GTP-2871DP 28-Port L3 Lite Managed Gigabit PoE Switch, 802.3af/at PoE, 24 PoE Outputs, 400W Power Budget, 4 x 10G SFP+, Dual AC Redundant Power Supply

Product Images





Short Description

- **PoE Access and 10G Uplinks:** 24 Gigabit PoE+ access ports plus 4 10-Gigabit SFP+ uplink slots for high-speed aggregation.
- **High PoE Capacity:** Total 400W PoE power budget with up to 30W per port for IP cameras, APs and VoIP phones.
- **Redundant Power Design:** Dual AC power inputs provide failover protection for enhanced uptime and reliability.
- **Extended Reach:** Supports 250m Extended PoE in 10Mbps mode for long-distance surveillance and outdoor deployments.
- **Advanced Switching:** Supports port-based VLAN, IEEE 802.1Q VLAN tagging, STP/RSTP/MSTP and port mirroring for flexible topology design.
- **Traffic and Multicast Control:** IGMP Snooping, storm control and IEEE 802.3ad LACP optimize multicast streams and link utilization.
- **IPv4/IPv6 Ready:** L3 Lite feature set with IPv4/IPv6 operation, management and security for modern dual-stack networks.

Description

The LevelOne GTP-2871DP is a 28-port L3 Lite managed Gigabit PoE switch designed for high-performance access and aggregation in modern business networks. It provides 24 Gigabit PoE+ ports for edge devices and 4 10G SFP+ uplink ports for high-speed connectivity to core or distribution switches. With wire-speed Gigabit access and 10G uplinks, it delivers the bandwidth needed for VoIP, Wi-Fi 6/6E access points, IP surveillance and cloud applications.

Featuring an ample 400W PoE power budget, the GTP-2871DP supplies up to 30W per port in accordance with IEEE 802.3af/at, enabling flexible deployment of power-hungry devices such as PTZ cameras, dual-band access points or video intercoms. Extended PoE support up to 250 meters in 10Mbps mode simplifies long-distance camera or AP installations without additional midspan injectors. Dual AC power inputs provide power redundancy, helping to ensure continuous operation even if one power source fails.

As an L3 Lite managed switch, the GTP-2871DP supports advanced IPv4/IPv6 features

including VLAN (port-based and 802.1Q tagging), Spanning Tree (802.1d/w/s), LACP link aggregation, storm control and IGMP snooping for multicast optimization. Robust QoS and traffic control capabilities help prioritize critical services, while IPv6 management, security and multicast control make it ready for next-generation network deployments. This combination of high PoE capacity, 10G uplinks and resilient power design makes the GTP-2871DP an ideal choice for enterprise, campus and large SMB networks.

Additional Information

Harmonized System (HS) code.	851762
Customs product code (TARIC).	8517620000
Features.	L2 features: ● Spanning Tree Protocol ● 802.1D Spanning Tree Protocol (STP) ● 802.1w Rapid Spanning Tree Protocol (RSTP) ● 802.1s Multiple Spanning Tree Protocol (MSTP) ● Support G.8032 ERPS protocol, single ring, sub ring and other ring ● MAC Address Table ● Up to 16K entries ● Protocol Based VLAN ● IP Subnet-based VLAN ● MAC-based VLAN ● IEEE 802.1Q VLAN ● Q-in-Q ● DHCP Client ● DHCP Snooping ● Multicast (IGMP V1,V2,V3 / IGMP snooping) ● ACL (IP Standard ACL, MAC extend ACL, IP extend ACL) ● QoS ● ARP (ARP table aging) ● GARP VLAN Registration Protocol (GVRP) L3 features: ● IPv4/IPv6 Static Routing
Management.	● LLDP ● User management and login authentication ● SNMP V1/V2C/V3 ● Web management, HTTP1.1, HTTPS ● CLI management, Console/Telnet/SSH command line management ● Syslog ● RMON (Remote Monitoring)alarm, event and history record ● NTP ● Temperature monitoring ● Ping、Tracert ● Optical transceiver DDM function ● TFTP Client ● Telnet Server ● SSH Server ● IPv6 Management ● PoE Management
Security.	● Dot1x, port authentication, mac authentication, RADIUS service ● Port-security ● IP source guard, IP/Port/MAC binding ● Support arp-check and ARP packet filtering for illegal users ● Port isolation
PoE Power Budget.	Total 400.00
PoE Supported.	Yes
Concurrent ports.	Total 28.00
Fanless.	No
Manageable.	Yes
Grade.	Commercial
Switching capacity.	128 Gbps
Color.	Grey

EAN.	4015867241394
Model Number.	GTP-2871DP
Dimensions (W x D x H).	440 x 350 x 44 mm
Product weight (kg).	4.8
Power Redundancy.	Dual Power Supplies
Power consumption.	● 400W (PoE power budget) ● 440W (Full loading)
Acoustic noise (dB).	45
Backplane (Gbps).	128
Data Rate.	10Gbps, 1Gbps
Flash memory size.	512 MB
Packet forwarding rate.	190.4 Mpps
Heat dissipation.	136.48 BTU/hr
Indicators.	● Power ● Link/Active ● PoE
Jumbo frame (KB).	10
MAC address table.	16 K
Mount.	19" rack mount, Desk mount
MTBF.	>100,000 hours
Packet buffer.	12 Mbits
Pin assignment and polarity.	1/2 (+), 3/6 (-)
Port Configuration.	24× 10/100/1000 Mbps RJ-45 PoE+ ports, 4× 1/2.5/10 GbE uplink SFP+ ports
Power input.	100-240 VAC, 50-60 Hz
Power supply.	2 x Redundancy AC power
Power supply included.	Yes
RAM size.	256 MB

Standard.	● IEEE 10BASE-T (IEEE 802.3) ● IEEE 100BASE-TX (IEEE 802.3u) ● IEEE 1000BASE-T (IEEE 802.3ab) ● IEEE 802.3z (1000BASE-X) Transceivers ● IEEE 802.3ad Dynamic Link Aggregation (2.5GE) ● IEEE802.3x flow control ● IEEE 802.1Q VLANs (Supports 4K) ● IEEE 802.1D Spanning Tree Protocol (STP) ● IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) ● IEEE 802.1s Multiple Rapid Spanning Tree Protocol (MSTP, 64 instances) ● IEEE 802.3af Power over Ethernet (PoE) ● IEEE 802.3at Power over Ethernet Plus (PoE+) ● IEEE 802.3az Energy-Efficient Ethernet ● IEEE 802.1p Quality of Service (QoS)
Approval and Compliance.	● FCC Part 15 Subpart B ● CE Mark ● EN IEC 62368-1 ● EN 55032 ● EN 55035 ● EN 61000-3-2/3 ● RoHS
Operating humidity.	10% RH ~ 90% RH
Operating temperature.	-5°C ~ 50°C
Storage humidity.	5% RH ~ 95% RH
Storage temperature.	-10°C ~ 70°C
Package Contents.	● GTP-2871DP ● Power Cord ● Console Cable ● 19" Rack Mount Kit ● Quick Installation Guide ● Declaration of Conformity

