GTP-2871 28-Port L3 Lite Managed Gigabit PoE Switch, 4 x 10GbE SFP+, 24 PoE Outputs, 400W PoE Power Budget

Product Images

Short Description

- 24 Gigabit PoE ports and 4 10-Gigabit SFP+ slots
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Total PoE power budget: 400W, up to 30W per port
- Virtual stacking supports up to 4 switches in a single logical stack for unified management, monitoring and configuration
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging and GVRP
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring

- Supports IPv4/IPv6 network operation
- Supports unknown unicast / broadcast / multicast storm control
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Dynamic ARP Inspection (DAI) protects switches against ARP spoofing

Description

The GTP-2871 is LevelOne latest generation of 28-Port L3 Lite Managed Gigabit PoE Switch, with 4 10G SFP+ port connectivity. offers powerful L2 and L3 Lite features, better PoE functionality with 400W PoE power budget and usability, The switch also supports the most advanced IPv6 management,IPv6 security, and IPv6 multicast control in accordance with the growth of IPv6 deployment.

The GTP-2871 PoE-enabled switches features an IEEE 802.3af/at certified. are ideal for businesses looking to power VoIP phones, wireless access points or network cameras. The GTP-2871 24-port PoE Switch supports up to 30 W of power output giving you flexibility in power allocation for a variety of powered devices enabling you to scale your operations to meet business growth, operational cost savings, and ease of management.

Additional Information

Console RJ45	1
Gigabit RJ45	24
802.3af/at PoE	24
Color	Grey
EAN	4015867222669
Model Number	GTP-2871
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), 64 instances ● Support BPDU Guard ● MAC Address Table ● Up to 16K entries Virtual Local Area Network (VLAN): 802.1Q tag-based VLAN - up to 4096 VLAN IDs ● Port-based VLAN ● MAC-based VLAN ● Supports 4K VLAN ● Port-based VLAN ● IEEE 802.1Q VLAN ● GVRP (256 VLAN) ● IEEE 802.1v protocol-based VLAN IP Subnet-based VLAN MAC-based VLAN ● Traffic Segmentation ● L2 Virtual Private Network (Q-in-Q): Selective Q-in-Q ● VLAN Translation ● L2 Protocol tunneling (xSTP, CDP, VTP & PVST+, LLDP) CDP/PVST+ Filtering ● Link Aggregation: Static Trunk ● IEEE 802.3ad Link Aggregation Control Protocol Trunk groups: 16, up to 8 GE ports per group ● Load Balancing: SA+DA, SA, DA, SIP+DIP, SIP, DIP ● Quality of Service (QoS): Priority Queues: 8 hardware queues per port Traffic classification: ● IEEE 802.1p CoS IP Precedence DSCP ● Traffic Scheduling: Strict Priority ● Weighted Round Robin Strict + WRR ● Diffserv: Ingress policy map (police rate, remark CoS) Egress policy map (police rate, remark CoS/DSCP) ● Rate Limiting (Ingress and Egress, per port base): GE: Resolution 64 Kbps ~ 1,000 Mbps ● Traffic Scheduling: Strict Priority ● Weighted Round Robin ● Strict + WRR ● Diffserv: Ingress policy map (police rate, remark CoS) ● Egress policy map (police rate, remark CoS/DSCP) ● Rate Limiting (Ingress and Egress, per port base): ● GE: Resolution 64 Kbps ~ 1,000 Mbp ● Port Mirroring (Supports One-to-One, Many-to-One) ● IGMP v1/v2/v3 Snooping ● IGMP Proxy Reporting ● IGMP Filtering ● IGMP Throttling ● IGMP Immediate Leave ● IGMP Querier ● IGMP router-port-expire-time ● IGMP tcn-query-solicit ● IGMP unregistered-data-flood ● IP source guard to prevent IP spoofing IPv6 Features ● Native IPv6 ● IPv4/IPv6 Dual Protocol stack ● IPv6 Address Types Stack: Unicast ● IPv4/IPv6 Dual Protocol stack ● IPv6 Address Types Stack: Unicast IPv6 Neighbor Discovery: ● Duplicate address ● Address resolution ● Unreachable neighbor detection ● Stateless auto-configuration Manual configuration Remote IPv6 ping ● IPv6 Telnet support ● IPv6 TFTP support ● MLD Snooping v1/v2 ● IPv6 source guard ● IPv6 Neighbor Discovery: ● Remote IPv6 ping ● IPv6 Telnet support ● IPv6 TFTP support ● Port Mirroring (Supports One-to-One, Many-to-One) ● IGMP v1/v2/v3 Snooping ● IGMP Proxy Reporting ● IGMP Filtering ● IGMP Throttling ● IGMP Immediate Leave ● IGMP Querier ● IGMP router-port-expire-time ● IGMP tcn-query-solicit ● IGMP unregistered-data-flood Dynamic Host Configuration Protocol (DHCP) ● DHCP Snooping ● DHCPv6 snooping ● DHCP Relay ● DHCP Server ● DHCP Option 60, 82
Data rate	Gigabit and 10-Gigabit Ethernet
PoE Power Budget	Total 400.00
PoE Supported	Yes
Concurrent ports	Total 28.00
Fanless	No
Manageable	Yes
Grade	Commercial
Embedded system	VX Works
Approval and Compliance	● CE Marking ● RoHS
Operating humidity	10% RH ~ 90% RH
Operating temperature	0°C ~ 45°C
Storage humidity	5% RH ~ 90% RH
Storage temperature	-40°C ~ 70°C
Package Contents	● GTP-2871 ● Power Cord ● Console Cable ● 19" Rack Mount Kit ● Rubber Feet ● Quick Installation Guide ● Resource CD (User Manual, QIG)
Switching capacity	128 Gbps
Dimensions (W x D x H)	440 x 330 x 44.5 mm
Product weight (kg)	4.48
Backplane (Gbps)	128 Gbps
Flash memory size	32 MB
Packet forwarding rate	95.232 Mpps
Indicators	● System ● Link/Act/Speed ● PoE
Jumbo frame (KB)	12
MAC address table	16K
Mount	19" rack mount
MTBF	● 150,000hrs (25°C) ● 60,000hrs (45°C)
Packet buffer	1.5 Mbits
Power consumption	full loading(PoE on): 468.2W
Power input	100-240V, 50-60Hz, Maximum: 6A
Power supply	AC power
RAM size	512 MB
Standards	● 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 802.3x for full-duplex mode ● IEEE 802.1D Spanning Tree Protocol (STP) ● IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) ● IEEE 802.1s Multiple Spanning Tree Protocol (MSTP) ● IEEE 802.1p Quality of Service (QoS) ● IEEE 802.1Q Virtual LANs (VLANs) ● IEEE 802.1v protocol-based VLAN ● IEEE 802.3ad Link Aggregation Control Protocol ● IEEE 802.1p Quality of Service (QoS) ● IEEE 802.1X port based and MAC based authentication ● IEEE 802.3az Energy-Efficient Ethernet (EEE) ● IEEE 802.3ah Ethernet Link OAM ● IEEE 802.1ag Connectivity Fault Management ● IEEE 802.3af Power over Ethernet (PoE) ● IEEE 802.3at Power over Ethernet Plus (PoE+)