GEL-2871 28-Port L2 Plus Managed Gigabit Switch, 24 x Gigabit RJ45, 4 x Gigabit SFP

Product Images

Short Description

- 24 Gigabit Ethernet ports and 4 Gigabit SFP slots

- IEEE 802.3ad LACP for auto port aggregation
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports VLAN (Port-based, Protocol-based, Private, Q-in-Q, Tag-based)
- Supports IPv4/IPv6 network operation

Description

The LevelOne GEL-2871 is an intelligent 28-Port L2 plus managed gigabit switch with 24 RJ45 ports and 4 SFP fiber slots, designed for enterprise or large workgroups connectivity applications with the non-blocking, wire-speed switching performance and advanced networking management functions.

The switch supports a flexible web-based management interface for both IPv4 and IPv6 as well as console, SNMP and Telnet management access. Despite its affordable pricing, the GEL-2871 is equipped with many advanced features such as Internet Group Management Protocol (IGMP) snooping, port-/MAC-/tag-based VLAN, IEEE 802.1D/w/s Spanning Tree, Access Control List (ACL), IEEE 802.3az Energy Efficient Ethernet, Link Aggregation Control Protocol (LACP), IEEE 802.1p QoS, Storm Control for protecting against broadcast/multicast/unknown unicast and much more.

An ideal network solution for anyone looking for an affordable and efficient way to expand their network.

Additional Information

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	0°C ~ 50°C
Storage humidity	5% RH ~ 95% RH
Storage temperature	-40°C ~ 70°C
Embedded system	Linux
Acoustic noise (dB)	less than 45 dB
Backplane (Gbps)	56
Packet buffer	12 Mbits
Indicators	● Power ● Link/Active
Jumbo frame (KB)	10
MAC address table	16 K
RAM size	256 MB
Flash memory size	512 MB
Mount	19" rack mount, Desk mount
Power supply	100-240 VAC, 50-60 Hz

Standards	● IEEE 10BASE-T (IEEE 802.3) ● IEEE 100BASE-TX (IEEE 802.3u) ● IEEE 1000BASE-T (IEEE 802.3ab) ● IEEE 802.3z (1000BASE-SX/LX/LHX/ZX) 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)
Features	Port aggregation ● Support GE port, 2.5GE aggregation ● Support static and dynamic aggregation VLAN ● Mac Based VLAN ● IP Based VLAN ● Protocol Based VLAN ● Support access, trunk and hybrid mode QinQ ● Basic QinQ (Port-based QinQ) ● Flexible Q in Q(VLAN-based QinQ) ● QinQ(Flow-based QinQ) Port mirroring ● Many to one (Port Mirroring) Layer 2 ring network protocol ● Support STP、RSTP、MSTP ● Support G.8032 ERPS protocol，single ring, sub ring and other ring QoS ● QoS Class, Remarking ● Support SP, WRR queue scheduling ● Ingress Port-based Rate-limit ● Egress Port-based Rate-limit ● Policy-based QoS ACL ● IP Standard ACL ● MAC extend ACL ● IP extend ACL Multicast ● IGMP V1,V2,V3 ● IGMP snooping ARP ● ARP table aging DHCP ● DHCP Client ● DHCP Snooping IPv4/IPv6 ● Static routing
Management	● NTP ● LLDP ● TFTP Client ● Telnet Server ● SSH Server ● IPv6 Management ● SNMP V1/V2C/V3 ● Ping、Tracert ● RMON(Remote Monitoring)alarm, event and history record ● Management Access (Console, SNMP, Web, Telnet) ● Firmware upload/download (HTTP/HTTPS/TFTP/FTP) ● Configuration upload/download (HTTP/HTTPS/TFTP/FTP) ● Support optical transceiver DDM function ● Support temperature monitoring ● Support Syslog and alarm grading
Security	● Support Dot1x，port authentication，mac authentication，RADIUS service ● Support port-security ● Support ip source guard，IP/Port/MAC binding ● Support arp-check and ARP packet filtering for illegal users
Color	Black
EAN	4015867228579
Model Number	GEL-2871
Package contents	● GEL-2871 ● Power Cord ● Console Cable ● 19" Rack Mount Kit ● Quick Installation Guide ● Declaration of Conformity
Grade	Commercial
Data Rate	Gigabit Ethernet
PoE Supported	No
Manageable	Yes
Fanless	No
Concurrent ports	Total28.00
Power consumption	36 W
Heat dissipation	136.48 BTU/hr
MTBF	534,057 hrs