GEL-2871 28-Port L2 Plus Managed Gigabit Switch, 24 x 1GbE RJ45, 4 x 1/2.5GbE SFP

Product Images

Short Description

- Up to 24x 1GbE RJ45 ports

- Up to 4x 1/25GbE SFP fiber ports for uplink
- 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

Color	Black
EAN	4015867228579
Model Number	GEL-2871
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

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
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
Concurrent ports	Total28.00
Fanless	No
Manageable	Yes
PoE Supported	No
Data rate	Gigabit Ethernet
Grade	Commercial
Embedded system	Linux
Approval and Compliance	● FCC Part 15 Subpart B ● CE Mark ● EN IEC 62368-1 ● EN 55032 ● EN 55035 ● EN 61000-3-2/3 ● RoHS
Storage temperature	-40°C ~ 70°C
Operating temperature	0°C ~ 50°C
Storage humidity	5% RH ~ 95% RH
Operating humidity	10% RH ~ 90% RH
Package Contents	● GEL-2871 ● Power Cord ● Console Cable ● 19" Rack Mount Kit ● Quick Installation Guide ● Declaration of Conformity
Dimensions (W x D x H)	440 x 245 x 44 mm
Indicators	● Power ● Link/Active
MAC address table	16 K
Jumbo frame (KB)	10
MTBF	534,057 hrs
Mount	19" rack mount, Desk mount
Heat dissipation	136.48 BTU/hr
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)

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Acoustic noise (dB)	less than 45 dB
Flash memory size	512 MB
RAM size	256 MB
Packet buffer	12 Mbits
Backplane (Gbps)	56
Power consumption	36 W
Power supply	100-240 VAC, 50-60 Hz

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