
GEL-5271 52-Port L2 Plus Managed Gigabit Switch, 48 x 1GbE RJ45, 4 x 1/2.5GbE SFP

Product Images



Short Description

- Up to 48x 1GbE RJ45 ports
- Up to 4x 1/2.5GbE 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-5271 is an intelligent 52-Port L2 plus managed gigabit switch with 48 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-5271 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	4015867227824
Model Number	GEL-5271
Features	QoS Features ● Rate Limiting (Ingress/Egress Port-Based): 64 Kbps ~ 1000 Mbps, Resolution 64 Kbps ● 8 HW Queues per port ● IPv4/IPv6 DSCP IPv6 ● HTTP over IPv6 ● SNMP over IPv6 ● IPv4/IPv6 Dual Protocol Stack ● IPv6 Management ● IPv6 Ping/Trace ● IPv6 Telnet ● IPv6 Syslog ● IPv6 TFTP L3 Features ● Static Routing ● RIP
Management	● Dual Image/Configuration ● Configuration upload/download (HTTP/TFTP/FTP/SFTP) ● Firmware upload/download (HTTP/TFTP/FTP/SFTP) ● System password protection ● Management Access (Console/SNMP/Web /Telnet) ● Memory Flash Log ● Event/Error Log/Syslog ● DHCP Client/DHCP Snooping(IPv4) ● DHCP Snooping Option82 ● Port Mirroring (One to One) TX/RX (both) ● NTP/SNTP ● RMON ● SNMP Trap ● SNMP v1/v2c/v3 ● SNMP Standard/Private MIB
Security	● Storm Control ● Broadcast/Multicast/Unknown Storm Control ● Port Isolation ● Port Mirror (One to One, One to Many) ● Remote Mirror ● IEEE 802.1X ● DDOS Protection ● CPU Guard (CPU Protection) ACL ● Ingress Only ● L2/L3/L4 ● ACL entry: 240 ● IPv4 ● TCP/UDP-Based, MAC-Based ACL ● AAA (RADIUS/TACACS+)
Data rate	Gigabit Ethernet
PoE Supported	No
Concurrent ports	Total 52.00
Fanless	No
Manageable	Yes
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
Operating humidity	10% RH ~ 90% RH
Operating temperature	0°C ~ 50°C
Storage humidity	5% RH ~ 90% RH
Storage temperature	-40°C ~ 70°C
Package Contents	● GEL-5271 ● Power cord ● 19" Rack Mount Kit ● Quick Installation Guide ● Declaration of Conformity
Dimensions (W x D x H)	440 x 300 x 44 mm
Product weight (kg)	3.5
Acoustic noise (dB)	45
Backplane (Gbps)	104
Flash memory size	512 MB
Heat dissipation	136.48 BTU/hr
Indicators	● Power ● Link/Active
Jumbo frame (KB)	10
MAC address table	16 K
Mount	19" rack mount, Desk mount
MTBF	534,057 hrs
Packet buffer	12 Mbits
Power consumption	36 W
Power supply	100-240 VAC, 50-60 Hz
RAM size	256 MB

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)