

# 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
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## 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+)                                                                                                                             |
| Grade            | Commercial                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Data rate        | Gigabit Ethernet                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PoE Supported    | No                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Manageable       | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Fanless          | No                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Concurrent ports | Total 52.00                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 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                                                                                                                                                                                                                                                                                                                                |
| Product weight (kg)     | 3.5                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Dimensions (W x D x H)  | 440 x 300 x 44 mm                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Power consumption       | 36 W                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MTBF                    | 534,057 hrs                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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) |
| Power supply            | 100-240 VAC, 50-60 Hz                                                                                                                                                                                                                                                                                                                                                                                                              |
| Acoustic noise (dB)     | 45                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Mount                   | 19" rack mount, Desk mount                                                                                                                                                                                                                                                                                                                                                                                                         |
| Flash memory size       | 512 MB                                                                                                                                                                                                                                                                                                                                                                                                                             |
| RAM size                | 256 MB                                                                                                                                                                                                                                                                                                                                                                                                                             |
| MAC address table       | 16 K                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Jumbo frame (KB)        | 10                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Indicators              | ● Power ● Link/Active                                                                                                                                                                                                                                                                                                                                                                                                              |
| Packet buffer           | 12 Mbits                                                                                                                                                                                                                                                                                                                                                                                                                           |

