DATASHEET



General data

Up to 48 RJ45 ports at 1 Gigabit/s
Up to four SFP fiber ports for 1/25GbE uplink
IEEE 802.3ad LACP for automatic port aggregation
IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
IP Multicast Filter via IGMP Snooping V1 / V2 / V3
Supports VLAN (Port-based, Protocol-based, Private, Q-in-Q, Tag-based)
Supported IPv4 and IPv6 Networks

The LevelOne GEL-5271 is an intelligent, 52-port Layer2 plus managed Gigabit switch with 48 RJ45 ports and 4 SFP fiber slots designed for enterprise or large workgroup connectivity applications with non-blocking, wired, high switching performance and advanced network management features.

The switch supports a flexible web-based management interface for IPv4 and IPv6 as well as console, SNMP and Telnet management access. Despite the affordable price, the GEL-5271 is equipped with many advanced features such as: B. 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 Broadcast/Multicast/Unknown Unicast protection and much more.

An ideal network solution for anyone looking for a compact, cost-effective and efficient way to protect their network expand.

General
Color: Black

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

This datasheet was created automatically on 05-11-2026 . Technical changes reserved.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

● IPv4/IPv6 dual protocol stack
● IPv6 management
● IPv6 Ping/Trace
● IPv6 Telnet
● IPv6 Syslog
● IPv6 TFTP
L3 features
● Static Routing
● RIP
Administration
● 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 mirroring
● 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+)

Miscellaneous
Grade Commercial

This datasheet was created automatically on 05-11-2026 . Technical changes reserved.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

Data rate Gigabit Ethernet
PoE Supported No
Manageable Yes
Fanless No
Concurrent ports 52.00 ports
Non-disclosure
Embedded system Linux

Others
Approvals 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
scope of delivery
● GEL-5271
● Power cord
● 19" Rack Mount Kit
● Quick Installation Guide
● Declaration of Conformity

Physical Specifications
Product weight (kg) 3.5
Dimensions (W x D x H) 440 x 300 x 44 mm

System specifications
Energy 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)

This datasheet was created automatically on 05-11-2026 . Technical changes reserved.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

Power supply 100-240 VAC, 50-60 Hz
Acoustic noise (dB) 45
Attachment 19" rack mount, desk mount
Flash memory size 512 MB
RAM size 256 MB
MAC address table 16K
Jumbo frames (KB) 10
Indicator
● Power
● Link/Active
Packet buffer 12 Mbits
Backplane (Gbit/s) 104

Tekniske egenskaber

Available variants

ArtNr.	Bezeichnung	Unique
GEL-5271		Unique

Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION