# DATASHEET









## General data

8 Gigabit Ethernet ports
1000Mbps full duplex, 10/100Mbps full/half duplex, auto-negotiation, auto-MDI/MDIX
Supports 4K MAC address auto-learning and auto-aging
9K jumbo frames to increase data transfer rates
IP multicast filtering through IGMP Snooping V1/V2
802.1Q Tag-based VLAN enables network segmentation to improve performance and security
IEEE 802.1p QoS with 4 priority queues
Supports storm control for unknown unicast/broadcast/multicast
Minimizes carbon footprint with energy efficient technology (IEEE 802.3az)
4KV surge protection, 6KV contact/8KV air ESD protection
Supports switching between managed and unmanaged mode via switch
Web-based Smart Lite real-time management
Supports LevelOne IP Locator for easier IP management.

If you are looking for a networking solution that fits into your 10" rack/case, the LevelOne HILBERT GES-2208 Gigabit Smart Lite Switch is an excellent option. This next-generation Ethernet switch offers improved functionality and ease of use, making it cost-effective for businesses and organizations.

The switch offers 8 (10M/100M/1G) RJ45 ports and is compatible with the latest LevelOne IP Locator, the easy-to-use switch discovery tool that can find all Hilbert series switches and show forgotten IP and other information instantly . It is also compatible with common Windows and Mac operating systems.

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

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WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

The two usage modes Dumb (Unmanaged) and Smart (Managed) can be easily configured using a DIP switch. With its 8 Gigabit ports, it offers high-speed connectivity for all your devices. 802.1q VLAN support also enables network segmentation for greater security and performance.

The switch supports port mirroring, which allows you to monitor network traffic in real time. Additionally, with Port-Based/802.1p/DSCP Priority QoS and Storm Control support, you can properly prioritize network traffic and ensure your network remains secure and performant.

The advanced features such as loop detection/prevention ensure that your network is always secure and reliable. Additionally, the web-based user interface and the smart configuration utility IP Locator make IP configuration a breeze. Upgrade your network today with this powerful switch and enjoy the ultimate in performance, security and ease of use.

General
Color: Black

characteristics
Has L2 switching capabilities
● IGMP snooping
● Link aggregation (Supports static link aggregation)
● Port mirroring
● Cable test

VLAN
● Supports up to 32 VLANs (from 4K VLAN IDs)
● MTU/Port/802.1Q VLAN

Quality of Service (QoS)
● Supports port-based/802.1p/DSCP priority
● Supports 4 priority queues
● Rate limiting
● Storm control
Administration
● Web-based graphical user interface (GUI)
● Supports LevelOne IP Locator for easier IP management.

Miscellaneous
Commercial quality
Gigabit Ethernet data rate
PoE supports No
Manageable Yes
Fanless Yes
Series HILBERT series

confidentiality



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Embedded system SoC

Other
Approvals and Compliance ● CE
● UKCA
● FCC Part 15, Subpart B, Class B
● RoHS
Operating humidity 10% RH ~ 90% RH
Operating temperature 0°C ~ 45°C
Storage humidity 5% RH ~ 95% RH
Storage temperature -40°C ~ 70°C
● GES-2208
● Power cord
● 10-inch rack mount kit
● Quick installation guide
● Declaration of conformity

Performance
Switching performance 16 Gbit/s

Physical specifications
Product weight (kg) 0.72
Dimensions (W x D x H) 215 x 150 x 44.5 mm

System specifications
Energy consumption 6 W
MTBF 43,800 hours
Packet forwarding rate 11,904 Mpps
Heat dissipation 20.4 (Btu/H)
Standards ● IEEE 802.3 10-BASE-T (Ethernet)
● IEEE 802.3u 100-BASE-TX (Fast Ethernet)
● IEEE 802.3ab 1000BASE-T (Gigabit Ethernet)
● IEEE 802.3z 1000BASE-X (Gigabit Ethernet)
● IEEE 802.3x Flow Control (full duplex flow control)
● IEEE 802.3az: Energy efficient Ethernet
● IEEE 802.1q VLANs/VLAN tagging
● IEEE 802.1p QoS
Power supply 100-240VAC, 50-60Hz
Acoustic noise (dB) 0 dB (A)
Attachment table mount, 10 inch rack mount
Flash memory size 2 MB
MAC address table 4K
Jumbo frames (KB) 9 KB
Indicator performance, Link/Act
Micro switch WEB management (activate/deactivate)

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Packet buffer 1.5 Mbit

## Tekniske egenskaber

## Available variants

| ArtNr. | Bezeichnung | Unique |
|---|---|---|
| GES-2208 | | 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.



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