

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.

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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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