

DATASHEET

HILBERT 10 Zoll 16-Port Gigabit Smart Lite Managed Switch



General data

- 16 Gigabit Ethernet ports
- 1000Mbps full duplex, 10/100Mbps full/half duplex, auto-negotiation, auto-MDI/MDIX
- Supports 8K MAC address auto-learning and auto-aging
- 10K 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.

Are you looking for a network solution that fits into your 10-inch rack/case? Then the LevelOne HILBERT GES-2216 Gigabit Smart Lite Switch is an excellent option. This latest generation Ethernet switch offers improved user-friendliness and is therefore ideal for companies, organizations and ambitious users.

The switch offers 16 (10M/100M/1G) RJ45 ports and is compatible with the latest LevelOne IP Locator, the easy-to-use

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switch discovery tool that can find and display all Hilbert series switches and forgotten IP and other information immediately presents. Of course, it is also compatible with common Windows and Mac operating systems.

With the two usage modes Dumb (Unmanaged) and Smart Switch (Managed), the switch can be used universally. The modes can be easily selected using a DIP switch on the front. With its 16 Gigabit ports, it offers high-speed connectivity for all your devices. 802.1q VLAN support allows you to segment your network 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.

The advanced functions such as loop detection/prevention ensure that your network is and remains 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 performance, security and ease of use of the HILBERT series, even in a 10-inch format.

General

Color: Black

Features

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 Management
- 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

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Fanless Yes

Series HILBERT series

Non-disclosure

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

Scope of delivery

- GES-2216
- Power cord
- 10-inch rack mount kit
- Quick installation guide
- Declaration of conformity

Performance

Switching performance 32 Gbit/s

Physical specifications

Product weight (kg) 0.838

Dimensions (W x D x H) 215 x 150 x 44.5 mm

System specifications

Energy consumption 10.5 W

MTBF 43,800 hours

Packet forwarding rate 23,808 Mpps

Heat dissipation 35.8 (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

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Acoustic noise (dB) 0 dB (A)
 Attachment table mount, 10 inch rack mount
 Flash memory size 2 MB
 MAC address table 8K
 Jumbo frames (KB) 10 KB
 Indicator performance, Link/Act
 Micro switch WEB management (activate/deactivate)
 Packet buffer 4.1 Mbit/s

Technical properties	
10 Gigabit Ethernet	False
Depth	150 mm
Ethernet	True
Fast Ethernet	True
Gigabit Ethernet	True
Height	44.5 mm
Manageable	True
Manufacturer	LevelOne
Mounting method	254 mm (10 inch) mounting
Number of ports 10/100/1000 Mbps RJ45	16
Width	215 mm

Available variants		
ArtNr.	Bezeichnung	Unique
GES-2216	HILBERT 10 Zoll 16-Port Gigabit Smart Lite Managed Switch	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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