DATASHEET

Hilbert 8-Port Gigabit Smart Lite Switch, 8 x Gigabit RJ45







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 Management
Supports LevelOne IP Locator for easier IP management.

The LevelOne Hilbert GES-2108 Gigabit Smart Lite Switch is a latest generation Ethernet switch that combines performance, improved functionality and ease of use. It therefore enables particularly cost-efficient integration of Ethernet services in the business environment and for ambitious home users. The GES-2108 offers 8 (10M/100M/1G) full RJ45 ports. With the new LevelOne IP Locator, the simple switch discovery software, all Hilbert series switches can be searched and information about the switch and IP configuration can be displayed. It is compatible with most popular Windows and Mac operating systems.

The LevelOne GES-2108 offers high hardware performance and environmental flexibility for businesses. Additionally, the GES-2108 is ideal for easy management, optimal usability and lower total cost of ownership.

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General
Color: Black

Features
L2 switching features
● IGMP snooping
● Link Aggregation (Supports static link aggregation)
● Port mirroring
● Cable Test
VLAN
● Supports up to 32 VLANs (out of 4K VLAN IDs)
● MTU/Port/802.1Q VLAN
Quality of Service (QoS)
● Support Port-based/802.1p/DSCP priority
● Support 4 priority queues
● Rate Limit
● Storm control
Administration ● Web-based Graphic User Interface (GUI)
● Supports LevelOne IP Locator for easier IP management.

Miscellaneous
Grade Commercial
Data rate Gigabit Ethernet
PoE Supported No
Manageable Yes
Fanless Yes
Concurrent ports 8.00 ports
Series HILBERT series
Non-disclosure
Embedded system SoC

Others
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-2108
● Power adapters
● Quick Installation Guide

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● Declaration of Conformity
performance
Switching capacity 16 Gbps

Physical Specifications
Product weight (kg) 0.35 kg
Dimensions (W x D x H) 160 x 95 x 29 mm

System specifications
Energy consumption 6 W
MTBF 43,800 hrs
Packet forwarding rate 11,904 Mpps
Heat dissipation 20.4 (Btu/H)
Port configuration 8
Standards ● IEEE 802.3 10-BASE-T (Ethernet)
● IEEE 802.3u 100-BASE-TX (Fast Ethernet)
● IEEE 802.3ab 1000BASE-T (Gigabit Ethernet)
● IEEE 802.3x Flow Control (full-duplex flow control)
● IEEE 802.3az: Energy Efficient Ethernet
Power supply 12VDC, 1A
Acoustic noise (dB) 0 dB (A)
Attachment desk mount
Flash memory size 2 MB
MAC address table 4K
Jumbo frames (KB) 9 K
Indicator Power, Link/Act
Packet buffer 1.5 Mbits

Technical properties	
10 Gigabit Ethernet	False
Ethernet	True
Fast Ethernet	True
Gigabit Ethernet	True
Manageable	True
Manufacturer	LevelOne
Mounting method	Desk type
Number of ports 10/100/1000 Mbps RJ45	8

Available variants

ArtNr.	Bezeichnung	Unique
GES-2108	Hilbert 8-Port Gigabit Smart Lite Switch, 8 x Gigabit RJ45	Unique

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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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