DATASHEET

Hilbert 8-Port Gigabit PoE Smart Lite Switch,802.3at/af PoE







General data

8 PoE-Plus Gigabit Ethernet ports with PoE watchdog
PoE total power budget: 112.8 W, up to 30 W per port
IEEE 802.3af/at PoE compliant to simplify deployment and installation
1000 Mbps full duplex, 10/100 Mbps 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
Web-based Smart Lite real-time management< br> Supports LevelOne IP Locator for easier IP management.

The LevelOne Hilbert GES-2108P Gigabit PoE Smart Lite Switch is a new generation Ethernet switch that offers powerful PoE functionality and ease of use and the Ethernet Services made possible cost-effectively over copper connections. The GES-2108P offers 8 (10M/100M/1G) RJ45 PoE+ (support 802.3at/af, and up to 112.8W total) 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-2108P offers high hardware performance and environmental flexibility for businesses. The

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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

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GES-2108P is ideal for easy management, optimal usability and lower total cost of ownership.

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 Yes
Manageable Yes
Fanless Yes
Concurrent ports 8.00 ports
Series HILBERT series
PoE power budget 112.80 watts
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

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● GES-2108P
● Power adapter with power cord
● Quick Installation Guide
● Declaration of Conformity
performance
Switching capacity 16 Gbps

Physical Specifications
Product weight (kg) 0.4 kg
Dimensions (W x D x H) 160 x 95 x 29 mm

System specifications
Energy consumption 120W (full loading/PoE on)
MTBF 43,800 hrs
Packet forwarding rate 11,904 Mpps
Heat dissipation 27.3 (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 802.3af Power over Ethernet
● IEEE 802.3at Power over Ethernet Plus
● IEEE 802.3az: Energy Efficient Ethernet
Power supply 54VDC, 2.2A 118.8W
Acoustic noise (dB) 0 dB (A)
Pin assignment and polarity 1/2 (+), 3/6 (-)
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 PoE	8

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Power over Ethernet (PoE)	802.3 at (PoE+)

Available variants

ArtNr.	Bezeichnung	Max. PoE power
GES-2108P	Hilbert 8-Port Gigabit PoE Smart Lite Switch,802.3at/af PoE	112.8 W

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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