

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

- 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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