

DATASHEET

Hilbert 5-Port Gigabit PoE Smart Lite Switch 802.3at/af 60W PoE Power Budget



General data

- 4 PoE-Plus Gigabit Ethernet ports with PoE watchdog
- PoE total power budget: 60W, up to 30W 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 2K 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-2105P Gigabit PoE Smart Lite Switch is a new generation Ethernet switch that offers powerful PoE functionality and ease of use, enabling Ethernet services cost-effectively over copper connections. The GES-2105P offers 5 (10M/100M/1G) RJ45, including 4 PoE+ (support 802.3at/af, and a total of up to 60W) ports. With the new LevelOne IP Locator, the simple switch discovery software, all Hilbert series switches can be searched and

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information about the switch and IP configuration can be displayed. It is compatible with the most common Windows and Mac operating systems.

The LevelOne GES-2105P offers high hardware performance and environmental flexibility for businesses. The GES-2105P is ideal for easy management, optimal usability and lower total cost of ownership.

General

Color: Black

Features

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 supported Yes

Manageable Yes

Fanless Yes

Simultaneous ports 5 ports

Series HILBERT series

PoE power budget 60.00 watts

Non-disclosure

Embedded system SoC

Approvals and Compliance

- CE

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- 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
- Power supply with power cable
- Quick installation guide
- Declaration of conformity

Performance

Switching capacity 10 Gbit/s

Product weight (kg) 0.4 kg

System specifications

Energy consumption 65W (full load/PoE on)

MTBF 43,800 hours

Packet forwarding rate 7.44 Mpps

Heat dissipation 23.88 (Btu/H)

Port configuration 5

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, 1.2A 64.8W

Acoustic noise (dB) 0 dB (A)

Pin assignment and polarity 1/2 (+), 3/6 (-)

Attachment to table mount, wall mount

Flash memory size 2 MB

MAC address table 2 K

Jumbo frame (KB) 9 K

Indicator performance, Link/Act

Packet buffer 1.5 Mbit

Technical properties

10 Gigabit Ethernet	False
Depth	95.0 mm
Ethernet	True

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Fast Ethernet	True
Gigabit Ethernet	True
Height	29.0 mm
Manageable	True
Manufacturer	LevelOne
Max. PoE per Port	30
Mounting method	Desk type
Number of Copper Ports	5
Number of ports 10/100/1000 Mbps RJ45	5
Number of ports PoE	4
Power over Ethernet (PoE)	802.3 at (PoE+)
Width	160.0 mm

Available variants

ArtNr.	Bezeichnung	Max. PoE power
GES-2105P	Hilbert 5-Port Gigabit PoE Smart Lite Switch 802.3at/af 60W PoE Power Budget	60 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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