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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WE CARE FOR CONNECTION

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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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