DATASHEET







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

This datasheet was created automatically on 25-11-2026 . Technical changes reserved.

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WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

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
- UKCA
- FCC Part 15, Subpart B, Class B
- RoHS

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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

Tekniske egenskaber

Available variants

ArtNr.	Bezeichnung	Max. PoE power
GES-2105P		60 W

Note on Intended Use

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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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