DATASHEET

Hilbert 28-Port Gigabit PoE Smart Lite Switch



General data

Short description
- 24 PoE-Plus Gigabit Ethernet ports support PoE Watchdog and 4 Gigabit SFP/RJ45 combo
- PoE total power budget: 380W, up to 30W per port
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Supports 8K 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.

Description

The LevelOne Hilbert GES-2128P 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-2128P offers 24 (10M/100M/1G) RJ45 PoE+ (support 802.3at/af, and up to 380W total) ports and 4 Gigabit combo RJ45/SFP slots. 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.
The LevelOne GES-2128P offers high hardware performance and environmental flexibility for businesses. The GES-2128P is ideal for easy management, optimal usability and lower total cost of ownership.

Further information
- Approvals and Compliance ● CE ● UKCA ● FCC Part 15, Subpart B Class B ● RoHS

This datasheet was created automatically on 22-11-2026 . Technical changes reserved.

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

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

DATASHEET

Hilbert 28-Port Gigabit PoE Smart Lite Switch

- Embedded system SoC
- Acoustic noise (dB): 30 dB (A)
- Packet buffer: 4.1 Mbits
- Display: Power, System, Link/Act, PoE
- Jumbo frames (KB): 9K
- MAC address table: 8K
- Flash memory size: 2MB
- Mounting: 19" rack mount, desk mount
- Pin assignment and polarity: 1/2 (+), 3/6 (-)
- Power supply: 100-240 VAC, 50-60 Hz
- Standards:
● IEEE 802.3 10-BASE-T (Ethernet) ● IEEE 802.3u 100-BASE-TX (Fast Ethernet) ● IEEE 802.3ab 1000BASE-T (Gigabit Ethernet) ● IEEE 802.3z 1000BASE-X (Gigabit Ethernet) ● IEEE 802.3x Flow Control (full-duplex flow control) ● IEEE 802.3af Power over Ethernet (PoE) ● IEEE 802.3at Power over Ethernet Plus (PoE+) ● IEEE 802.3az: Energy Efficient Ethernet
- Port configuration: 28
- Basic functions
L2 switching functions ● IGMP snooping ● Link Aggregation (Supports static link aggregation) ● Port Mirroring ● Kabltest 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 Limit ● Storm Control
- Management ● Web based Graphical User Interface (GUI) ● Supports LevelOne IP Locator for easier IP management.
- Product weight (kg): 3.4 kg
- Color: Black
- Scope of delivery ● GES-2128P ● Power cable ● 19" rack mounting kit ● Quick Installation Guide ● Declaration of Conformity
- Switching performance: 56 Gbps
- PoE supported: Yes
- Total concurrent ports: 28
- PoE Power Budget 380.00 Total
- Energy consumption: 400W (full loading/PoE on)
- Heat dissipation: 88.71 (Btu/H)
- MTBF: 43,800 hours

Technical properties	
10 Gigabit Ethernet	False
Depth	290.0 mm
Ethernet	True
Fast Ethernet	True
Gigabit Ethernet	True

This datasheet was created automatically on 22-11-2026 . Technical changes reserved.

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

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

DATASHEET

Hilbert 28-Port Gigabit PoE Smart Lite Switch

Height	44.5 mm
Manageable	True
Manufacturer	LevelOne
Mounting method	482.6 mm (19 inch) mounting
Number of Copper Ports	24
Number of Fiber Ports	4
Number of combination-ports RJ45/Mini GBIC	4
Number of ports 10/100/1000 Mbps RJ45	24
Number of ports PoE	24
Power over Ethernet (PoE)	802.3 at (PoE+)
Width	440.0 mm

Available variants

ArtNr.	Bezeichnung	Max. PoE power
GES-2128P	Hilbert 28-Port Gigabit PoE Smart Lite Switch	380 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.

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

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION