

DATASHEET

Hilbert 18-Port Gigabit Smart Lite Switch, 16 x Gigabit RJ45 2 x Gigabit SFP



General data

- 16 Gigabit Ethernet ports and 2 Gigabit SFP slots
- 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.

The LevelOne Hilbert GES-2118 Gigabit Smart Lite Switch is a latest generation Ethernet switch that combines performance, improved functionality and user-friendliness. It therefore enables particularly cost-efficient integration of Ethernet services in the business environment and for ambitious home users. The GES-2118 offers 16 (10M/100M/1G) full-fledged RJ45 ports, as well as 2 Gigabit 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.

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The LevelOne GES-2118 offers high hardware performance and environmental flexibility for businesses. Additionally, the GES-2118 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 No

Manageable Yes

Fanless Yes

Concurrent ports 18.00 ports

Series HILBERT series

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

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Operating temperature 0°C ~ 45°C
Storage humidity 5% RH ~ 95% RH
Storage temperature -40°C ~ 70°C

scope of delivery

- GES-2118
- Power cord
- 19" Rack Mount Kit
- Quick Installation Guide
- Declaration of Conformity

performance

Switching capacity 36 Gbps

Physical Specifications

Product weight (kg) 1.08 kg
Dimensions (W x D x H) 271 x 181.5 x 44.5 mm

System specifications

Energy consumption 15 W
MTBF 43,800 hrs
Packet forwarding rate 26,784 Mpps
Heat dissipation 51.18 (Btu/H)
Port Configuration 18

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 802.3az: Energy Efficient Ethernet

Power supply 100-240 VAC, 50-60 Hz
Acoustic noise (dB) 0 dB (A)
Attachment 19" rack mount, desk mount
Flash memory size 2 MB
MAC address table 8K
Jumbo frames (KB) 9 K
Indicator Power, System, Link/Act
Packet buffer 4.1 Mbits

Technical properties

10 Gigabit Ethernet	False
Ethernet	True
Fast Ethernet	True

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Gigabit Ethernet	True
Manageable	True
Manufacturer	LevelOne
Mounting method	482.6 mm (19 inch) mounting
Number of ports 10/100/1000 Mbps RJ45	16
Number of ports 1000 Mbps Mini GBIC	2

Available variants

ArtNr.	Bezeichnung	Unique
GES-2118	Hilbert 18-Port Gigabit Smart Lite Switch, 16 x Gigabit RJ45 2 x Gigabit SFP	Unique

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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