DATASHEET

Hilbert 6-Port Industrial PoE Smart Lite Gigabit Switch









General data

4 PoE-Plus Gigabit Ethernet ports with PoE watchdog and 2 Gigabit SFP slots
IEEE 802.3af/at PoE compliant to simplify deployment and installation
1000Mbps full duplex, 10/100Mbps 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)
Operating temperature range from -40°C to 75°C
4KV surge protection, 6KV contact/8KV air ESD protection
Supports DIN rail installation
Web-based Smart Lite real-time management
Supports LevelOne IP Locator for easier IP management.

The LevelOne IGS-2106P Hilbert 6-Port Industrial 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 IGS-2106P offers 4 (10M/100M/1G) RJ45 PoE+ (support 802.3at/af) ports and 2 Gigabit SFP slots. With industrial standard DIN rail mounting and highly visible status LEDs, the switch provides easy monitoring of port

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connections. 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 IGS-2106P offers high hardware performance and environmental flexibility for businesses. The IGS-2106P is ideal for easy management, optimal usability and lower total cost of ownership.

General
Color: Black

Features
L2 switching features
1. IGMP snooping
● Supports IGMP snooping
● Supports 128 groups
2. Link Aggregation
● Supports static link aggregation
● Supports 8 groups of aggregation, up to 4 ports per group
3. Port mirroring
● One-to-one
● Many-to-Many
4. Support port isolation, port grouping
VLAN
● Supports up to 32 VLANs (out of 4K VLAN IDs)
● Supports Port VLAN and 802.1Q VLAN
● Supports Port-based/802.1p/DSCP priority
QoS
● Support 4 priority queues
● Port Speed Limit
● Storm control
Administration
● Web-based Graphic User Interface (GUI)
● Supports LevelOne IP Locator for easier IP management.
Miscellaneous
Data rate Gigabit Ethernet
PoE power budget 68.00 watts
PoE Supported Yes
Fanless Yes
Manageable Yes
Series HILBERT series
Grade industrial
Others
Approvals and Compliance
● CE
● UKCA
● FCC Part 15, Subpart B Class B

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● RoHS
Operating humidity 10% RH ~ 90% RH
Operating temperature -40°C ~ 75°C
Storage humidity 5% RH ~ 95% RH
Storage temperature -40°C ~ 85°C

Scope of delivery
● IGS-2106P
● Power Terminal Block
● Din rail mount kit
● Quick Installation Guide
● Declaration of Conformity

performance
Switching capacity 12 Gbps
Physical Specifications
Dimensions (W x D x H) 136 x 108 x 38.5 mm
Product weight (kg) 0.46 kg

System specifications
Acoustic noise (dB) 0 dB (A)
Micro switch LOOP, VLAN ON/OFF
Flash memory size 2 MB
Packet forwarding rate 8,928 Mpps
Heat dissipation 27.3 (Btu/H)
Indicator Power, Link/Act
Jumbo frames (KB) 9 KB
MAC address table 2 K
Fastening DIN rail mount
MTBF 43,800 hrs
Packet buffer 1.5 Mbits
Pin assignment and polarity 1/2 (+), 3/6 (-)
Port Configuration 4x 10/100/1000 Mbps PoE+ copper downlink ports, 2x 100/1000 Mbps SFP uplink ports
Energy consumption 68 W
Input voltage redundant dual DC 12V/24V/48V
Power supply VDC 44~57V
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
● IEEE 802.3at Power over Ethernet Plus
● IEEE 802.3az: Energy Efficient Ethernet

Technical properties

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Gigabit Ethernet	True
Manageable	True
Manufacturer	LevelOne
Mounting method	DIN rail (top hat rail)
Number of ports 10/100/1000 Mbps RJ45	4
Number of ports 100/1000 Mbps Mini GBIC	2
Number of ports PoE	4
Power over Ethernet (PoE)	802.3 at (PoE+)

Available variants

ArtNr.	Bezeichnung	Unique
IGS-2106P	Hilbert 6-Port Industrial PoE Smart Lite Gigabit Switch	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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