DATASHEET

Hilbert 6-Port Industrial Smart Lite Gigabit Switch









General data

4 Gigabit Ethernet ports and 2 Gigabit SFP slots
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-2106 Hilbert 6-Port Industrial Gigabit Smart Lite Switch is a new generation Ethernet switch that enables Ethernet services cost-effectively over copper connections. The IGS-2106 offers 4 (10M/100M/1G) RJ45 ports and 2 Gigabit SFP slots. With industrial standard DIN rail mounting and highly visible status LEDs, the switch provides easy monitoring of port 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

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compatible with the most common Windows and Mac operating systems.
The LevelOne IGS-2106 offers high hardware performance and environmental flexibility for businesses. The IGS-2106 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
Data rate Gigabit Ethernet
PoE Supported No
Fanless Yes
Manageable Yes
Series HILBERT series
Grade industrial
Others
Approvals and Compliance
● CE
● UKCA
● FCC Part 15, Subpart B Class B
● 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-2106
● Power Terminal Block

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● 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) 0.45 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 20.47 (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
Port Configuration 4x 10/100/1000 Mbps RJ-45 copper downlink ports, 2x 100/1000 Mbps SFP uplink ports
Energy consumption 6 W
Input voltage redundant dual DC 12V/24V/48V
Power supply VDC 12~57V
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 802.3az: Energy Efficient Ethernet

Technical properties	
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

Available variants

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

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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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