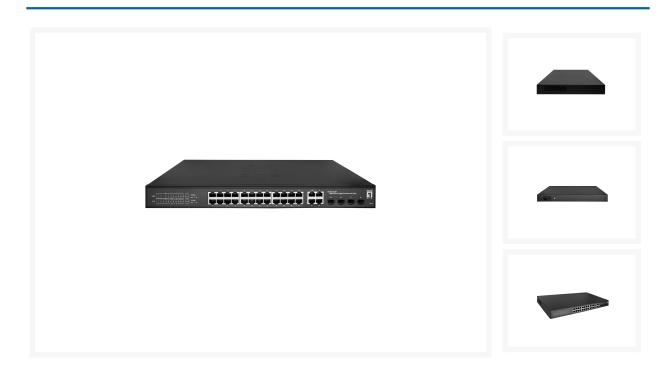


# GES-2128P Hilbert 28-Port Gigabit PoE Smart Lite Switch, 24 PoE Outputs, 4 x Gigabit SFP/RJ45 Combo, 802.3at/af PoE, 380W PoE Power Budget

### **Product Images**



## **Short Description**

- 24 PoE-Plus Gigabit Ethernet ports supports PoE Watchdog and 4 Gigabit SFP/RJ45
   Combo
- Total PoE 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 allows network segmentation to enhance performance and security
- IEEE 802.1p QoS with 4 priority queues
- Supports unknown unicast / broadcast / multicast storm control
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- 4KV surge protection, 6KV contact / 8KV air ESD protection
- Web-based and smart lite Management
- Supports LevelOne IP Locator for easier IP management.

### **Description**

The LevelOne GES-2128P Hilbert gigabit PoE smart lite switch is a next-generation Ethernet Switch offering powerful better PoE functionality and usability that delivers the cost-effectively business and transports Ethernet services via fiber or copper connections. GES-2128P delivers 24 (10M/100M/1G) RJ45/PoE+ (Support 802.3at/af, and total up to 380W) ports and 4 Combo GbE RJ45/SFP ports. can be matched with the latest LevelOne IP Locator, the software is the easiest to use switch discovery tool, it can search all Hilbert series switches, instantly know the forgotten IP and other info. Compatible with mainstream Windows and Mac operating systems.

The LevelOne GES-2128P provides high HW performance and environment flexibility for Enterprises. GES-2128P is ideal to deliver management simplicity, optimum user experience, and lower total cost of ownership.

# **Additional Information**

Harmonized System (HS) code	851762
Customs product code (TARIC)	8517620000
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
Management	<ul> <li>Web-based Graphic User Interface (GUI) ● Supports LevelOne IP Locator for easier IP management.</li> </ul>
Data rate	Gigabit Ethernet
PoE Power Budget	Total 380.00
PoE Supported	Yes
Concurrent ports	Total 28.00
Fanless	No
Manageable	Yes
Series	HILBERT series
Grade	Commercial
Approval and Compliance	● CE ● UKCA ● FCC Part 15, Subpart B Class B ● RoHS
Operating humidity	10% RH ~ 90% RH
Operating temperature	0°C ~ 45°C
Storage humidity	5% RH ~ 95% RH
Storage temperature	-40°C ~ 70°C
Package Contents	<ul> <li>GES-2128P ● Power Cord ● 19" Rack Mount Kit ● Quick Installation Guide ● Declaration of Conformity</li> </ul>
Switching capacity	56 Gbps
Dimensions (W x D x H)	440 x 290 x 44.5 mm

2/19/25

Product weight (kg)  Color  Black  EAN  4015867229231  Model Number  GES-2128P  Embedded system  SoC  Acoustic noise (dB)  30 dB (A)  Backplane (Gbps)  56  Flash memory size  2 MB  Packet forwarding rate  41.664 Mpps  Heat dissipation  88.71 (Btu/H)  Indicators  Power, System, Link/Act, PoE  Jumbo frame (KB)  9 K  MAC address table  8 K  Mount  19" rack mount, Desk mount  MTBF  43,800 hrs  Packet buffer  4.1 Mbits  Pin assignment and polarity  1/2 (+), 3/6 (-)  Port Configuration  A00W (full loading/PoE on)  Power supply  100-240 VAC, 50-60 Hz  Power supply included  Yes  Standard  August EleE 802.3u  100-BASE-TX (Fast Ethernet) ● IEEE 802.3u  100-BASE-TX (Fast		
Model Number GES-2128P  Embedded system SoC  Acoustic noise (dB) 30 dB (A)  Backplane (Gbps) 56  Flash memory size 2 MB  Packet forwarding rate 41.664 Mpps  Heat dissipation 88.71 (Btu/H)  Indicators Power, System, Link/Act, PoE  Jumbo frame (KB) 9 K  MAC address table 8 K  Mount 19" rack mount, Desk mount  MTBF 43,800 hrs  Packet buffer 4.1 Mbits  Pin assignment and polarity 1/2 (+), 3/6 (-)  Port Configuration 24x 10/100/1000 Ethernet PoE+ ports, 4x 1G SFP and RJ-45 combo uplinks  Power supply 100-240 VAC, 50-60 Hz  Power supply included Yes  Standard 16EEE 802.3a 10-BASE-T (Ethernet) ■ IEEE 802.3ab 1000BASE-T (Gigabit Ethernet) ■ IEEE 802.	Product weight (kg)	3.4 kg
Embedded system  SoC  Acoustic noise (dB)  30 dB (A)  Backplane (Gbps)  56  Flash memory size  2 MB  Packet forwarding rate  41.664 Mpps  Heat dissipation  88.71 (Btu/H)  Indicators  Power, System, Link/Act, PoE  Jumbo frame (KB)  9 K  MAC address table  8 K  Mount  19" rack mount, Desk mount  MTBF  43,800 hrs  Packet buffer  4.1 Mbits  Pin assignment and polarity  1/2 (+), 3/6 (-)  Port Configuration  24x 10/100/1000 Ethernet PoE+ ports, 4x 1G SFP and RJ-45 combo uplinks  Power supply  100-240 VAC, 50-60 Hz  Power supply included  Yes  ■ IEEE 802.3ab 1000BASE-T (Ethernet) ■ IEEE 802.3ab 1000BASE-T (Gigabit Ethernet) ■ IEEE 802.3ab 1000BASE-T (Gigabit Ethernet) ● IEEE 802.3ab Flow Control (full-duplex flow control) ● IEEE 802.3ab	Color	Black
Embedded system  SoC  Acoustic noise (dB)  30 dB (A)  Backplane (Gbps)  56  Flash memory size  2 MB  Packet forwarding rate  41.664 Mpps  Heat dissipation  88.71 (Btu/H)  Indicators  Power, System, Link/Act, PoE  Jumbo frame (KB)  9 K  MAC address table  8 K  Mount  19" rack mount, Desk mount  MTBF  43,800 hrs  Packet buffer  4.1 Mbits  Pin assignment and polarity  1/2 (+), 3/6 (-)  Port Configuration  24x 10/100/1000 Ethernet PoE+ ports, 4x 1G SFP and RJ-45 combo uplinks  Power consumption  400W (full loading/PoE on)  Power supply  100-240 VAC, 50-60 Hz  Standard  Standard  • IEEE 802.3au  100-BASE-TX (Fast Ethernet) • IEEE 802.3su  100-BASE-TX (Fast Ethernet) • IEEE 802.3su  1000BASE-TX (Gigabit Ethernet) • IEEE 802.3su  Flow Control (full-duplex flow control) • IEEE 802.3su	EAN	4015867229231
Acoustic noise (dB)  Backplane (Gbps)  56  Flash memory size  2 MB  Packet forwarding rate  41.664 Mpps  Heat dissipation  88.71 (Btu/H)  Indicators  Power, System, Link/Act, PoE  Jumbo frame (KB)  9 K  MAC address table  8 K  Mount  19" rack mount, Desk mount  MTBF  43,800 hrs  Packet buffer  4.1 Mbits  Pin assignment and polarity  1/2 (+), 3/6 (-)  Port Configuration  24x 10/100/1000 Ethernet PoE+ ports, 4x 1G SFP and RJ-45 combo uplinks  Power consumption  400W (full loading/PoE on)  Power supply  100-240 VAC, 50-60 Hz  Power supply included  Yes  § IEEE 802.3 10-BASE-T (Ethernet) ● IEEE 802.3u 100-BASE-T (Gigabit Ethernet) ● IEEE 802.3z 1000BASE-T (Gigabit Ethernet) ● IEEE 802.3z Flow Control (full-duplex flow control) ● IEEE 802.3x Flow Control (full-duplex flow control) ● IEEE 802.3x Flow Control (full-duplex flow control) ● IEEE 802.3x Flow Control (full-duplex flow control) ● IEEE 802.3a Fl	Model Number	GES-2128P
Backplane (Gbps) 56  Flash memory size 2 MB  Packet forwarding rate 41.664 Mpps  Heat dissipation 88.71 (Btu/H)  Indicators Power, System, Link/Act, PoE  Jumbo frame (KB) 9 K  MAC address table 8 K  Mount 19" rack mount, Desk mount  MTBF 43,800 hrs  Packet buffer 4.1 Mbits  Pin assignment and polarity 1/2 (+), 3/6 (-)  Port Configuration 24x 10/100/1000 Ethernet PoE+ ports, 4x 1G SFP and RJ-45 combo uplinks  Power consumption 400W (full loading/PoE on)  Power supply 100-240 VAC, 50-60 Hz  Power supply included Yes  Standard   IEEE 802.33 100BASE-T (Ethernet) IEEE 802.33 100BASE-T (Gigabit Ethernet) IEEE 802.33 100BASE-T (Gigabit Ethernet) IEEE 802.33 100BASE-X (Gigabit Ethernet) IEEE	Embedded system	SoC
Flash memory size 2 MB  Packet forwarding rate 41.664 Mpps  Heat dissipation 88.71 (Btu/H)  Indicators Power, System, Link/Act, PoE  Jumbo frame (KB) 9 K  MAC address table 8 K  Mount 19" rack mount, Desk mount  MTBF 43,800 hrs  Packet buffer 4.1 Mbits  Pin assignment and polarity 1/2 (+), 3/6 (-)  Port Configuration 24x 10/100/1000 Ethernet PoE+ ports, 4x 1G SFP and RJ-45 combo uplinks  Power consumption 400W (full loading/PoE on)  Power supply 100-240 VAC, 50-60 Hz  Power supply included Yes  Standard   IEEE 802.31 100BASE-T (Eigabit Ethernet) ■ IEEE 802.32 1000BASE-X (Gigabit Ethernet) ■ IEEE 802.32 1000BASE-X (Gigabit Ethernet) ■ IEEE 802.32 Flow Control (full-duplex flow control) ● IEEE 802.33	Acoustic noise (dB)	30 dB (A)
Packet forwarding rate  Heat dissipation  88.71 (Btu/H)  Indicators  Power, System, Link/Act, PoE  Jumbo frame (KB)  9 K  MAC address table  8 K  Mount  19" rack mount, Desk mount  MTBF  43,800 hrs  Packet buffer  4.1 Mbits  Pin assignment and polarity  1/2 (+), 3/6 (-)  Port Configuration  24x 10/100/1000 Ethernet PoE+ ports, 4x 1G SFP and RJ-45 combo uplinks  Power consumption  400W (full loading/PoE on)  Power supply  100-240 VAC, 50-60 Hz  Power supply included  Yes  • IEEE 802.3 10-BASE-TX (Fast Ethernet) • IEEE 802.3u 100-BASE-TX (Gigabit Ethernet) • IEEE 802.3z 1000BASE-X (Gigabit Ethernet) • IEEE 802.3x Flow Control (full-duplex flow control) • IEEE 802.3x Flow Control (full-duplex flow control) • IEEE 802.3x Flow Control (full-duplex flow control) • IEEE 802.3a Power over Ethernet (PoE) • IEEE 802.3a Power over Ethernet (PoE) • IEEE 802.3a Power over Ethernet (PoE) • IEEE	Backplane (Gbps)	56
Heat dissipation  88.71 (Btu/H)  Indicators  Power, System, Link/Act, PoE  Jumbo frame (KB)  9 K  MAC address table  8 K  Mount  19" rack mount, Desk mount  MTBF  43,800 hrs  Packet buffer  4.1 Mbits  Pin assignment and polarity  1/2 (+), 3/6 (-)  Port Configuration  24x 10/100/1000 Ethernet PoE+ ports, 4x 1G SFP and RJ-45 combo uplinks  Power consumption  400W (full loading/PoE on)  Power supply  100-240 VAC, 50-60 Hz  Power supply included  Yes  IEEE 802.3 10-BASE-T (Ethernet) ● IEEE 802.3 ab 1000BASE-X (Gigabit Ethernet) ● IEEE 802.3 z 1000BASE-X (Gig	Flash memory size	2 MB
Indicators  Power, System, Link/Act, PoE  Jumbo frame (KB)  9 K  MAC address table  8 K  Mount  19" rack mount, Desk mount  MTBF  43,800 hrs  Packet buffer  4.1 Mbits  Pin assignment and polarity  1/2 (+), 3/6 (-)  Port Configuration  24x 10/100/1000 Ethernet PoE+ ports, 4x 1G SFP and RJ-45 combo uplinks  Power consumption  400W (full loading/PoE on)  Power supply  100-240 VAC, 50-60 Hz  Power supply included  Yes  ■ IEEE 802.3 10-BASE-T (Ethernet) ● IEEE 802.3u 100-BASE-T (Gigabit Ethernet) ● IEEE 802.3x Flow Control (full-duplex flow control) ● IEEE 802.3at Power over Ethernet (PoE) ● IEEE 802.3at Power over Ethernet Plus (PoE+) ● IEEE	Packet forwarding rate	41.664 Mpps
Jumbo frame (KB)  9 K  MAC address table  8 K  Mount  19" rack mount, Desk mount  MTBF  43,800 hrs  Packet buffer  4.1 Mbits  Pin assignment and polarity  1/2 (+), 3/6 (-)  Port Configuration  24x 10/100/1000 Ethernet PoE+ ports, 4x 1G SFP and RJ-45 combo uplinks  Power consumption  400W (full loading/PoE on)  Power supply  100-240 VAC, 50-60 Hz  Power supply included  Yes  ■ IEEE 802.3 10-BASE-T (Ethernet) ● IEEE 802.3u 100-BASE-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	Heat dissipation	88.71 (Btu/H)
MAC address table  8 K  Mount  19" rack mount, Desk mount  MTBF  43,800 hrs  Packet buffer  4.1 Mbits  Pin assignment and polarity  1/2 (+), 3/6 (-)  Port Configuration  24x 10/100/1000 Ethernet PoE+ ports, 4x 1G SFP and RJ-45 combo uplinks  Power consumption  400W (full loading/PoE on)  Power supply  100-240 VAC, 50-60 Hz  Power supply included  Yes  ■ IEEE 802.3 10-BASE-T (Ethernet) ● IEEE 802.3u 100-BASE-TX (Fast Ethernet) ● IEEE 802.3z 1000BASE-X (Gigabit Ethernet) ● IEEE 802.3x Flow Control (full-duplex flow control) ● IEEE 802.3x Flow Control (full-duplex flow control) ● IEEE 802.3x Power over Ethernet (PoE) ● IEEE 802.3at Power over Ethernet Plus (PoE+) ● IEEE 802.3at Power over Ethernet Plus (PoE+) ● IEEE	Indicators	Power, System, Link/Act, PoE
Mount  19" rack mount, Desk mount  MTBF  43,800 hrs  Packet buffer  4.1 Mbits  Pin assignment and polarity  1/2 (+), 3/6 (-)  Port Configuration  24x 10/100/1000 Ethernet PoE+ ports, 4x 1G SFP and RJ-45 combo uplinks  Power consumption  400W (full loading/PoE on)  Power supply  100-240 VAC, 50-60 Hz  Power supply included  Yes  ■ IEEE 802.3 10-BASE-T (Ethernet) ● IEEE 802.3u 100-BASE-TX (Fast Ethernet) ● IEEE 802.3z 1000BASE-TX (Gigabit Ethernet) ● IEEE 802.3x Flow Control (full-duplex flow control) ● IEEE 802.3af Power over Ethernet (PoE) ● IEEE 802.3at Power over Ethernet (PoE) ● IEEE 802.3at Power over Ethernet (PoE) ● IEEE 802.3at Power over Ethernet Plus (PoE+) ● IEEE	Jumbo frame (KB)	9 K
MTBF 43,800 hrs  Packet buffer 4.1 Mbits  Pin assignment and polarity 1/2 (+), 3/6 (-)  Port Configuration 24x 10/100/1000 Ethernet PoE+ ports, 4x 1G SFP and RJ-45 combo uplinks  Power consumption 400W (full loading/PoE on)  Power supply 100-240 VAC, 50-60 Hz  Power supply included Yes  ■ IEEE 802.3 10-BASE-T (Ethernet) ● IEEE 802.3u 100-BASE-TX (Fast Ethernet) ● IEEE 802.3z 1000BASE-TX (Gigabit Ethernet) ● IEEE 802.3x Flow Control (full-duplex flow control) ● IEEE 802.3x Flow Control (full-duplex flow control) ● IEEE 802.3at Power over Ethernet (PoE) ● IEEE 802.3at Power over Ethernet Plus (PoE+) ● IEEE	MAC address table	8 K
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Pin assignment and polarity  1/2 (+), 3/6 (-)  24x 10/100/1000 Ethernet PoE+ ports, 4x 1G SFP and RJ-45 combo uplinks  Power consumption  400W (full loading/PoE on)  Power supply  100-240 VAC, 50-60 Hz  Power supply included  Yes  ■ IEEE 802.3 10-BASE-T (Ethernet) ● IEEE 802.3u 100-BASE-TX (Fast Ethernet) ● IEEE 802.3z 1000BASE-TX (Gigabit Ethernet) ● IEEE 802.3x Flow Control (full-duplex flow control) ● IEEE 802.3at Power over Ethernet (PoE) ● IEEE 802.3at Power over Ethernet Plus (PoE+) ● IEEE	MTBF	43,800 hrs
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and RJ-45 combo uplinks  Power consumption  400W (full loading/PoE on)  100-240 VAC, 50-60 Hz  Power supply included  Yes  IEEE 802.3 10-BASE-T (Ethernet) ● IEEE 802.3u 100-BASE-TX (Fast Ethernet) ● IEEE 802.3z 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	Pin assignment and polarity	1/2 (+), 3/6 (-)
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Power supply included  Yes  ■ 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	Power consumption	400W (full loading/PoE on)
● 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	Power supply	100-240 VAC, 50-60 Hz
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	Power supply included	Yes
	Standard	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

