



LevelOne Hilbert GES-2100 Series

Product Overview

The LevelOne Hilbert GES-2100 Series is a next-generation Ethernet Switch offering powerful better functionality and usability that delivers the cost-effectively business and transports Ethernet services via fiber or copper connections. 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 Hilbert GES-2100 series switches provides high HW performance and environment flexibility for Enterprises. Hilbert series switches is ideal to deliver management simplicity, optimum user experience, and lower total cost of ownership.

Key Features

- Web-based and smart lite Management
- Supports LevelOne IP Locator for easier IP management.
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- 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
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- 4KV surge protection, 6KV contact / 8KV air ESD protection

Software Features

L2 Switching Features	IGMP Snooping
	Link Aggregation • Supports static link aggregation
	Port Mirroring
VLAN	Supports up to 128 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	Web-based Graphic User Interface (GUI)
	Supports LevelOne IP Locator for easier IP management.

Specifications

Product Model		GES-2108	GES-2110	GES-2118	GES-2126	GES-2128
Port	RJ-45 10/100/1000 Ports	8	8	16	24	24
	SFP or SFP+ Uplink Ports	X	2 (1G)	2 (1G)	2 (1G)	4 (1G)
	PoE Ports	X	X	X	X	X
Performance	Switching Capacity	16 Gbps	20 Gbps	36 Gbps	52 Gbps	56 Gbps
	Flash Memory Size	2 MB	2 MB	2 MB	2 MB	2 MB
	Packet Buffer	1.5 Mbits	1.5 Mbits	4.1 Mbits	4.1 Mbits	4.1 Mbits
	Packet Forwarding Rate	11.904 Mpps	14.88 Mpps	26.784 Mpps	38.688 Mpps	41.664 Mpps
	MAC Address Table	4 K	8 K	8 K	8 K	8 K
	Jumbo Frames	9 K	9 K	9 K	9 K	9 K
	MTBF	43,800 hrs	43,800 hrs	43,800 hrs	43,800 hrs	43,800 hrs
	Heat Dissipation	20.4 (Btu/H)	34.12 (Btu/H)	51.18 (Btu/H)	61.42 (Btu/H)	68.24 (Btu/H)
	Acoustic Noise	0 dB (A)	0 dB (A)	0 dB (A)	0 dB (A)	0 dB (A)
Power Supply	Power Input	12VDC, 1A	12VDC, 1A	100-240 VAC, 50-60 Hz	100-240 VAC, 50-60 Hz	100-240 VAC, 50-60 Hz
	Max System Power Consumption (Watts)	6 W	10 W	15 W	18 W	20 W
PoE	IEEE 802.3af/802.3at	X	X	X	X	X
	PoE Power Budget	X	X	X	X	X
	Pin assignment and polarity	X	X	X	X	X
Mechanical	Fanless	O	O	O	O	O
	Rack Space	6"	10"	19"	19"	19"
	Form Factor	Wallmount	Deskmount	Rackmount	Rackmount	Rackmount
	Dimension (W x D x H)	160 x 95 x 29 mm	225 x 121 x 35 mm	440 x 190 x 44.5 mm	440 x 190 x 44.5 mm	440 x 190 x 44.5 mm
	Weight	0.35 kg	0.7 kg	1.08 kg	1.85 kg	1.95 kg
Environmental	Operating Temperature	0~50°C	0~50°C	0~50°C	0~50°C	0~50°C
	Operating Humidity	10% to 90%	10% to 90%	10% to 90%	10% to 90%	10% to 90%
	Storage Humidity	5% to 95%	5% to 95%	5% to 95%	5% to 95%	5% to 95%
	Storage Temperature	-40~70°C	-40~70°C	-40~70°C	-40~70°C	-40~70°C
	Approval and Compliance	CE, UKCA, FCC Part 15, Subpart B Class B, RoHS	CE, UKCA, FCC Part 15, Subpart B Class B, RoHS	CE, UKCA, FCC Part 15, Subpart B Class B, RoHS	CE, UKCA, FCC Part 15, Subpart B Class B, RoHS	CE, UKCA, FCC Part 15, Subpart B Class B, RoHS
LevelOne IP Locator Management		Supported	Supported	Supported	Supported	Supported

Specifications

Product Model		GES-2105P	GES-2108P	GES-2110P	GES-2118P	GES-2128P
Port	RJ-45 10/100/1000 Ports	5	8	8	16	24
	SFP or SFP+ Uplink Ports	X	X	2 (1G)	2 (1G)	4 (1G)
	PoE Ports	4	8	8	16	24
Performance	Switching Capacity	10 Gbps	16 Gbps	20 Gbps	36 Gbps	56 Gbps
	Flash Memory Size	2 MB	2 MB	2 MB	2 MB	2 MB
	Packet Buffer	1.5 Mbits	1.5 Mbits	1.5 Mbits	4.1 Mbits	4.1 Mbits
	Packet Forwarding Rate	7.44 Mpps	11.904 Mpps	14.88 Mpps	26.784 Mpps	41.664 Mpps
	MAC Address Table	2 K	4 K	8 K	8 K	8 K
	Jumbo Frames	9 K	9 K	9 K	9 K	9 K
	MTBF	43,800 hrs	43,800 hrs	43,800 hrs	43,800 hrs	43,800 hrs
	Heat Dissipation	23.88 (Btu/H)	27.3 (Btu/H)	40.94 (Btu/H)	81.89 (Btu/H)	88.71 (Btu/H)
	Acoustic Noise	0 dB (A)	0 dB (A)	0 dB (A)	30 dB (A)	30 dB (A)
Power Supply	Power Input	54 VDC, 1.2A 64.8W	54 VDC, 2.2A 118.8W	100-240 VAC, 50- 60 Hz	100-240 VAC, 50-60 Hz	100-240 VAC, 50-60 Hz
	Max System Power Consumption (Watts)	65 W	120 W	150 W	250 W	400 W
PoE	IEEE 802.3af/802.3at	O	O	O	O	O
	PoE Power Budget	60 W	112.8 W	130 W	230 W	380 W
	Pin assignment and polarity	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)
Mechanical	Fanless	O	O	O	X	X
	Rack Space	6"	6"	19"	19"	19"
	Form Factor	Wallmount	Wallmount	Rackmount	Rackmount	Rackmount
	Dimension (W x D x H)	160 x 95 x 29 mm	160 x 95 x 29 mm	271 x 181.5 x 44.5 mm	440 x 190 x 44.5 mm	440 x 190 x 44.5 mm
	Weight	0.6 kg	0.4 kg	1.2 kg	2.4 kg	3.4 kg
Environmental	Operating Temperature	0~50°C	0~50°C	0~50°C	0~50°C	0~50°C
	Operating Humidity	10% to 90%	10% to 90%	10% to 90%	10% to 90%	10% to 90%
	Storage Humidity	5% to 95%	5% to 95%	5% to 95%	5% to 95%	5% to 95%
	Storage Temperature	-40~70°C	-40~70°C	-40~70°C	-40~70°C	-40~70°C
	Approval and Compliance	CE, UKCA, FCC Part 15, Subpart B Class B, RoHS	CE, UKCA, FCC Part 15, Subpart B Class B, RoHS	CE, UKCA, FCC Part 15, Subpart B Class B, RoHS	CE, UKCA, FCC Part 15, Subpart B Class B, RoHS	CE, UKCA, FCC Part 15, Subpart B Class B, RoHS
LevelOne IP Locator Management		Supported	Supported	Supported	Supported	Supported