



4Ports Giga PoE Switch (HPS-1004GP)

User's Manual

User's Guide

Per Model	User's Guide
Class-A Device (Broadcasting communication Apparatus and Materials for Business)	This is an electromagnetic wave shielding apparatus for business use as Class A, to which either its seller or user shall pay an attention, and it is intended to be used everywhere.

1. Introduction of Product

PoE (Power-over-Ethernet) technology PoE (Power-over-Ethernet) provides maximum 30W of electricity per port to PD (Powered device), which observes IEEE 802.3af such as IP telephone or wireless LAN access point, by realizing the power sourcing device (PSE, switch/router or end span system).

HPS-1004GP has been designed to satisfy the management requirements of IEEE 802.3af signature, classification and electric power.

It is the End span & Single Pairs Application device used by being directly linked to the wire PA. It can monitor the cost saving effect and overall network power as the data and power are supplied to the PD (Powered Device) terminal by using the cable such as UTP CAT5, CAT6 and etc. under the standard Ethernet infra structure. Also., PoE L2 Switch does not require any separate electric power work in installing the wire AP, and it is possible to construct non-stop system through UPS in case of the power trouble, and the convenience for installation is increased due to reduction of the installation space, and it provides various merits such as auto power interruption and etc. in case of the overload and cable disconnection.

2. HPS-1004GP and Confirmation of Contents



Body



User's Manual



AC Cable



Console Cable

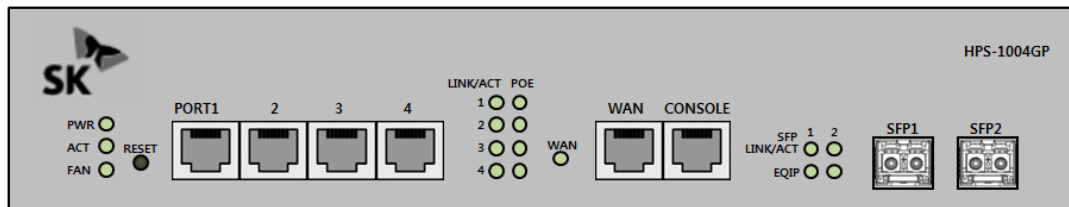
3. Cable Connection



- 1) To connect the cable to the power outlet after connecting the power cable to 220V AC input terminal.
- 2) To push and insert RJ-45 connector of UTP cable, which is linked from PoE Port (Port 1-4) of HPS-1004GP, to PD until it makes the rattling sound.
- 3) Link led will turn on when the power is normally supplied to PD.
You can confirm that PWD Led and Port Link, PoE Link Led (1-4) turn on if all are normally installed.

4. System Composition

► Front side



► System Status

LED	Color	Status	Explanation
FAN	Green	On (Green)	Fan is normally operated.
		Off	Fan is under the stop status.
ACT	Green	On (Green)	System is normally operated.
		Flicker (Green)	System is under booting.
		Off	System is not normally operated.
PWR	Green	On (Green)	Power supply is normally operated.
		Off	Power supply is not normally operated.

► PoE Port (Port 1~4)

LED	Color	Status	Explanation
WAN, LINK/ ACT	Green	On	Port is being operated, and it is being linked to the counter equipment.
		Flicker	Data is being transmitted through the port.
		Off	Port is not being operated, and it is not linked to the counter equipment.
PoE	Green	On	As the port is linked to PoE device, the power is normally supplied.
		Flicker	Overload the power supply is blocked by the PD, since the normal PD is looking for.
		Off	Port is not linked to PoE or the power is not being supplied.

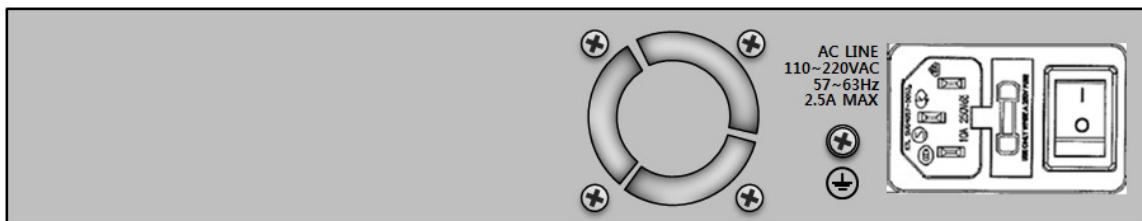
► WAN Link (Port 5)

LED	Color	Status	Explanation
WAN	Green	On	Port is being operated, and it is being linked to the counter equipment.
		Flicker	Data is being transmitted through the port..
		Off	Port is not linked to PoE or the power is not being supplied.


► SFP Link (Port 6~7)

LED	Color	Status	Explanation
LINK/ ACT	Green	On	Port is being operated, and it is being linked to the counter equipment.
		Flicker	Data is being transmitted through the port.
		Off	Port is not linked to PoE or the power is not being supplied.
EQUIP	Green	On	As SFP is mounted on the port, it stands by the operation.

► Backside



► Backside

Descriptions	Use	Explanation
AC LINE	Power input	AC (110-220 AC0 power linkage terminal
FAN	Fan	Fan to reduce the system temperature
	Power input	Earth terminal to protect the system from the surge

5. Hardware Specifications

Hardware	Switching fabric	Switching capa: 14 Gbps full-duplex
		Packet treatment performance: 10.4Mpps
		MAC address: Max. 16K (Layer 2)
	Memory	Main memory: 1GB (DDR2 SDRAM)
		Software storage: 512MB (NAND FLASH)
	Major specifications	1 each of power module
		1 each of imbedded FAN
	System specifications	Product size: 240mm (W) x 220mm (D) x 44mm (H)
		Product weight: 2kg
Module composition	Body	4each of Gigabit Ethernet (10/100/1000) & POE port (RJ-45)
		1 each of WAN Gigabit Ethernet (10/100/1000) (RJ-45)
		1each of console port (RJ-45)
		2 each of SFP Gigabit Ethernet
Power	AC power Supplier	Currency: 56/60Hz
		Input voltage: 100-240VAC
		Scope of input voltage: 88-264VAC
Operation environment	Temperature	Operation temperature: -20 – 60°C
		Custody temperature: -40 – 80°C
	Humidity	Operation humidity: 10 - 95% (40°C, un-setting)
		Custody humidity: 10 - 95% (65°C, un-setting)
Packing product	Rack installing kit cable	4 each of bind head screw and rack bracket (Option)
	Cable	Console cable (RJ-45 - DB-9)
		AC power cable
Certification	Registration of electronic wave propriety (Korea, KC)	

Product Guarantee

Product name		4Ports Giga PoE Switch
Model name		HPS-1004gp
Certification number		
Product number		
Purchase day		Date;
Guarantee period		2years
Customer	Name	
	Address	
	Tel number	
	E-mail	

Standards for compensation of consumer's damage

The compensation for the consumer's damage will comply with the regulations for compensation of consumer's damage announced by Ministry of Finance and Economy.

Contents of guarantee

1. This product is the one produced through the strict quality control and inspection course.
2. You can receive A/S for 2 years after purchase if any abnormality occurs.
(However, in case it is applicable to the charged service conditions even with the guarantee period, the repair will be made by receiving the service charge.)

Charged Service

In case it is applicable to the following charged service conditions even within the guarantee period, the service charge (Repair charge + parts fee + travel charge) will be requested.

1. In case the trouble occurs from the careless treatment of the customer
2. Natural disaster (Fire, salt damage, flood, thunder stroke, earthquake, standards fixed as other natural disaster)
3. Trouble or damage from the fall and etc. during move after installation
4. Trouble occurred from remodeling of the product inside in the user's option
5. In case any trouble occurs as any other person, but not A/S personnel of this company, repairs the product,
6. In case any trouble occurs from the abnormality of the using power,



Enquiry relative to Use

If you have any inconvenience or enquiry during use, please visit the homepage, <http://www.happyelec.com> or enquire to the buying place.

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