GAPSW Series Switch

Layer 2 Switching with Web Management, 1000Base-X connectivity for small-sized businesses or home network switch.

Overview

The **GAPSW Series Switch** is 1000Base-X POF (Plastic Optical Fiber) and SFP (1000Base-LX, 1000Base-SX) GOF Module, 100Base-TX UTP Converter. The **GAPSW Series Switch** includes Ethernet (RJ-45) Connectors and Optolock® POF Transceivers. The **GAPSW Series Switch** is treated as IEEE 802.3ab and IEEE 802.3z Fast Ethernet Repeaters. The **GAPSW Series Switch** is fully compatible for 802.3ab and IEEE 803.3z Fast Ethernet Data Communication Standard.

GAPSW Series Switch

■ Key Features

1. Integrate 8 ports Optolock® 100Base-FX optical fiber transceivers.
2. Integrate 1 of UTP port which is dual-personality 10/100/1000 or SFP Gigabit ports.
3. Integrate 1 of UTP port which is dual-personality 10/100/1000 or gigabit POF ports.
4. Complies with the IEEE 802.3, IEEE 802.3u, IEEE 802.3z and IEEE 802.3ab Gigabit Ethernet standard.
5. All port supports flow control.
6. Supports broadcast storm filtering function.
7. Supports 1536/1552 byte maximum packet length.
8. Optional Web Management Interface.
9. IGMP Protocol support.
10. VLAN function support.
11. TRUNK function support.
12. Flow control with every port.
13. Basic QOS function support.
14. Configuration backup and restore function.
15. Available with US, UK, and EU Power Adapter.
16. Used with POF (Plastic Optical Fiber) in a duplex form.
17. It is to be used with single or dual optical wall plate supplied by E.L.I.I..
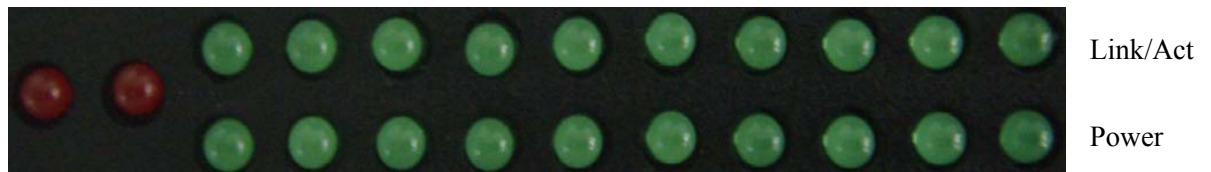
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■ **Specification**

Parameter	Optical Port	Electrical Port
Standard compatibility	1. IEEE 802.3z Fast Ethernet 2. 100Base-FX 3. 1000Base-X	1. IEEE 802.3ab Fast Ethernet 2. 1000Base-T
Data Rate	1. 100Mbps(1~8 Port) 2. 1Gbps(1~2Giga port)	1Gbps
Transmitting Length	50M at POF interface	100M at copper interface
Interface connector	Optolock® POF transceiver	RJ-45 connector
Equipped cable	Optolup® Optolock® patch cord.	4 pairs CAT3/ CAT5/ CAT6 UTP or STP patch cord
LED Indication	Power status, POF port link/ active status and UTP Port link/ active status	
Operating Environment	Temperature: 0~50 °C Humidity: 10%~90%	
Storage Environment	Temperature: -40~70 °C Humidity: 10%~90%(Non-condensing)	
Operating Power	12V DC @ 1.5A Max.	
Power Consumption	18 W Max.	
DC Power Connector	OD: 5.5, ID: 2.1 mm DC plug suitable	
Dimensions (W x D x H)	280 x 150 x 26 mm	
Total Weight	T.B.D.	
EMC Certification	FCC certification: Part 15 Subpart B 2. CE certification: EN55022/ 55024/ 61000-3-2/ 61000-3-3	

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■ **LED Indications**

LED	Color	Status	Function
Link/Act	Green	Blink	When any FX packet is transmitting.
Power	Green	ON	Lights to indicate that the Switch has power.

■ **Order Information**

ELII-GAPSW - O   X   X   X
                  (1) (2) (3) (4)

(1) Converter Type:

    *O: Optolock POF interface.

(2) Diameter of Transceiver Type:

    *1: 2.2mm Optolock transceiver (Black color)

    *2: 1.5mm Optolock transceiver (White color)

(3) Gigabit Transceiver Core Size:

    *1: 1mm Large Core Size Optolock Gigabit Transceiver

    *2: 0.2mm Small Core Size Optolock Gigabit Transceiver

(4) WMI:

    *1: With web management interface embedded

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    Note: Optolock is a registered Trademark of Firecomms Ltd., Ireland