



PSGS-1308: 8-Port GbE Web Smart PoE Switch(65W)

PSGS-1308F: 8-Port GbE Web Smart PoE Switch(130W)

Key Features

- PoE saves your power infrastructure and installation cost
- Port Mirroring helps supervisor monitoring network
- IEEE802.1X Access Control improves network security
- IEEE 802.1D Compatible, 802.1w Rapid Spanning Tree
- 65 or 130 watts of total power diversified options

Overview

PSGS-1308/F supports 8 10/100/1000 Mbps Auto-negotiation, Auto-MDIX Ethernet ports and Power over Ethernet to IEEE 802.3af compliant devices. It's fully compliant with the standards of IEEE 802.3/4/5/ab/af. With web-based management, the network administrator can logon the switch to monitor, and configure. In addition, the switch implements the QoS (Quality of Service), Port Mirror, VLAN, LACP, LAN security, Multicasting video stream protocol, and SNMP v2c. It is suitable for SMB application.

Note: PSGS-1308 supports 65W and PSGS-1308F supports 130W

Benefits

• PoE Save Your Power Infrastructure Cost

PoE allows power to be supplied to end devices, such as Wireless Access Point IP cameras or VoIP Phones, directly through the existing LAN cables. By supplying the power mid-span, you can centralize power distribution and backup without the need to increase infrastructure.

PSGS-1308 supports up to 4-port 15.4W PoE function and PSGS-1308F supports up to 8-port 15.4W PoE function.

• QoS with four Priority Queues

The QoS(Quality Of Service) feature provides four internal queues to support four different classifications of traffic. High priority packet streams experience less delay inside the switch, which supports lower latency for certain delay-sensitive traffic. The switch classifies the packet as one of the two priorities according to 802.1p priority tag, DiffServ and/or IP TOS. The QoS operates at full wire speed. The actual scheduling at each egress port can be based upon a strict priority, weighted round robin or a mix of both.

• Port Mirroring

This mechanism helps track network errors or abnormal packet transmission without interrupting the flow of data, allowing ingress traffic to be monitored by a single port that is defined as mirror capture port. The mirror capture port can be any 10/100 port, 10/100/1000 port. Mirroring multiple ports is possible but can create congestion at the mirror capture port.

• IGMP Snooping

By default, layer 2 Ethernet switches treat IP multicast traffic in the same manner as broadcast traffic namely, by forwarding frames received on one interface to all other interfaces. This may create excessive traffic on the network and degrade the performance of hosts attached to the switches. The IGMP snooping can significantly reduce traffic from streaming media and other bandwidth-intensive IP multicast applications

• 802.1X Access Control Improve Network Security

802.1X features enable user authentication for each network access attempt. Port security features allow you to limit the number of MAC addresses per port in order to control the number of stations for each port. Static MAC addresses can be defined for each port to ensure only registered machines are allowed to access. By enabling both of these features, you can establish an access mechanism based on user and machine identities, as well as control the number of access stations.

• Port Trunk for Bandwidth Aggregation

The Gigabit ports can be combined together to create a multi-link load-sharing trunk. Up to 8 Gigabit ports can be set up per trunk. The switch supports up to 8 trunking groups. Port trunks are useful for switch-to-switch cascading, providing very high full-duplex speeds.

• Trap Event for Exception Management

We use SNMP Trap mechanism to inform supervisor to know the instant abnormal status of the switch.

• Build-in Web-base Management

Instead of using CLI interface, we provide a more convenient GUI for user.

We just need to configure switch via Web Browser. It is more quickly and easily for users to control switch on the basis of this design.

Technical Specifications

• Standard Compliance

- IEEE 802.3af PoE Standard
- IEEE 802.3 10Base-T Ethernet(twisted-pair copper)
- IEEE 802.3u 100Base-T Ethernet(twisted-pair copper)
- IEEE 802.3ab 1000Base-T Ethernet(twisted-pair copper)
- IEEE 802.3z 1000Base-X Ethernet
- IEEE 802.3x Flow Control capability
- ANSI/IEEE 802.3 Auto-negotiation
- IEEE 802.1p Priority Tag
- IEEE 802.1Q VLAN
- IEEE 802.1D Compatible, 802.1w Rapid Spanning Tree
- IEEE 802.1X Access Control

• RoHS Compliance

• Subscriber Interface

- 8 Gigabit Ethernet ports
- Auto-negotiation
- Auto-MDIX
- Back pressure flow control for half duplex.
- Flow control for full duplex.
- Connector: 8 RJ-45

• Performance

Switching capacity:

- 8 Gigabit Ethernet ports with non-blocking wire speed performance.
- 8 K MAC addresses
- 176KB on-chip frame buffer.
- Jumbo frame support up to 9.6k bytes.

VLAN

- Port-base VLAN
- IEEE802.1Q tag-base VLAN, 4k Max

QoS

- Supports Layer 4 TCP/UDP Port and ToS Classification
- Supports 802.1p QoS with four level priority queue

STP/RSTP

- 802.1D/1w

Multicasting

- Supports IGMP Snooping for Multicast.

Bandwidth Control

- Supports bandwidth rating per port ingress and egress rate limit 1000Mbps with 1Mbps

Port Trunk

- Port trunking with 8 trunking group
- up to 8 ports for each group.

Broadcast/Multicast Storm

- Broadcast Storm control

Port Mirroring

- All port support port mirroring.

PoE Specification

- Supports IEEE 802.3af compliant
- Supports Power over Ethernet (PSE) on each Gigabit UTP port
- Full power support for per POE port
- Auto detect powered device and consumption levels
- Supports per port power consumption monitoring
- Smart feature for PD on/off, PD detection, power level, PD status and power feeding priority
- Circuit protection to prevent power interference between ports
- Supports per port PoE State setting
- Supports per port power priority setting
- LED indicators for POE ready and POE activity
- PSGS-1308 supports up to 4-port 15.4W and PSGS-1308F support up to 8-port 15.4W

• LED Description

	LED	Color	Function
Global	POWER	Green	Lit when +3.3V power is coming up
Port 1-8	LNK/ACT/SPD	Green/Amber	Lit Green when TP link on 1000Mbps speed
			Lit Amber when TP link on 100/10Mbps speed
			Blinks when any traffic is present
Port 1-8	PoE	Green	Lit when PoE Power is active

• Hardware Spec.

Feature	Detailed Description
Power Characteristics	Voltage: 100~240 V
	Frequency: 50~60 Hz
	PoE Power Max. 65W (with 4 x 15.4W PD device connected) PSGS-1308
	Max. 130W (with 8 x 15.4W PD device connected) PSGS-1308F
Ambient Temperature	0 to 40 °C
Humidity	5% to 90%
Dimensions	44(H) x 280 (W) x 166 (D) mm
Weight	1.72 kg
EMI	Comply with FCC Part 15 Class A & CE Mark Approval

Packing Information

Carton Dimensions (mm)	pcs/Carton	N.W (KG)	G.W (KG)
493x430x352	5	11	12

Ordering Information

PSGS-1308	8-Port GbE Web Smart PoE Switch (65W)
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