

## COMOSS PSW Series 24-Port Switch

### Data Sheet

**Layer 2 Switching, highly affordable, entry-level managed Support. Provide 100Base-FX connectivity for medium-sized businesses and branch office networks.**

### Overview

The PSW Series offers 24-Port 100Base-FX POF Ethernet Switch and 2 Gigabit UTP & SFP combo ports. It supports full-duplex operations at its fiber-optic interface in the form factor of OPTOLOCK® interface. The two Gigabit UTP and SFP ports can be either 1000Base-T for 10/100/1000Mbps or 1000Base-SX/LX through SFP (Small Factor Pluggable) interface, which provide high bandwidth and performance for Ethernet up link.

PSW Series embedded web management interface. With a fixed configuration format, the PSW Series is fully plug-and-play designed to operate out-of-the-box with the minimum amount of user configuration. PSW Series is easy to use and manage, designed to increase business productivity by reliably supporting business applications.



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## Key Features

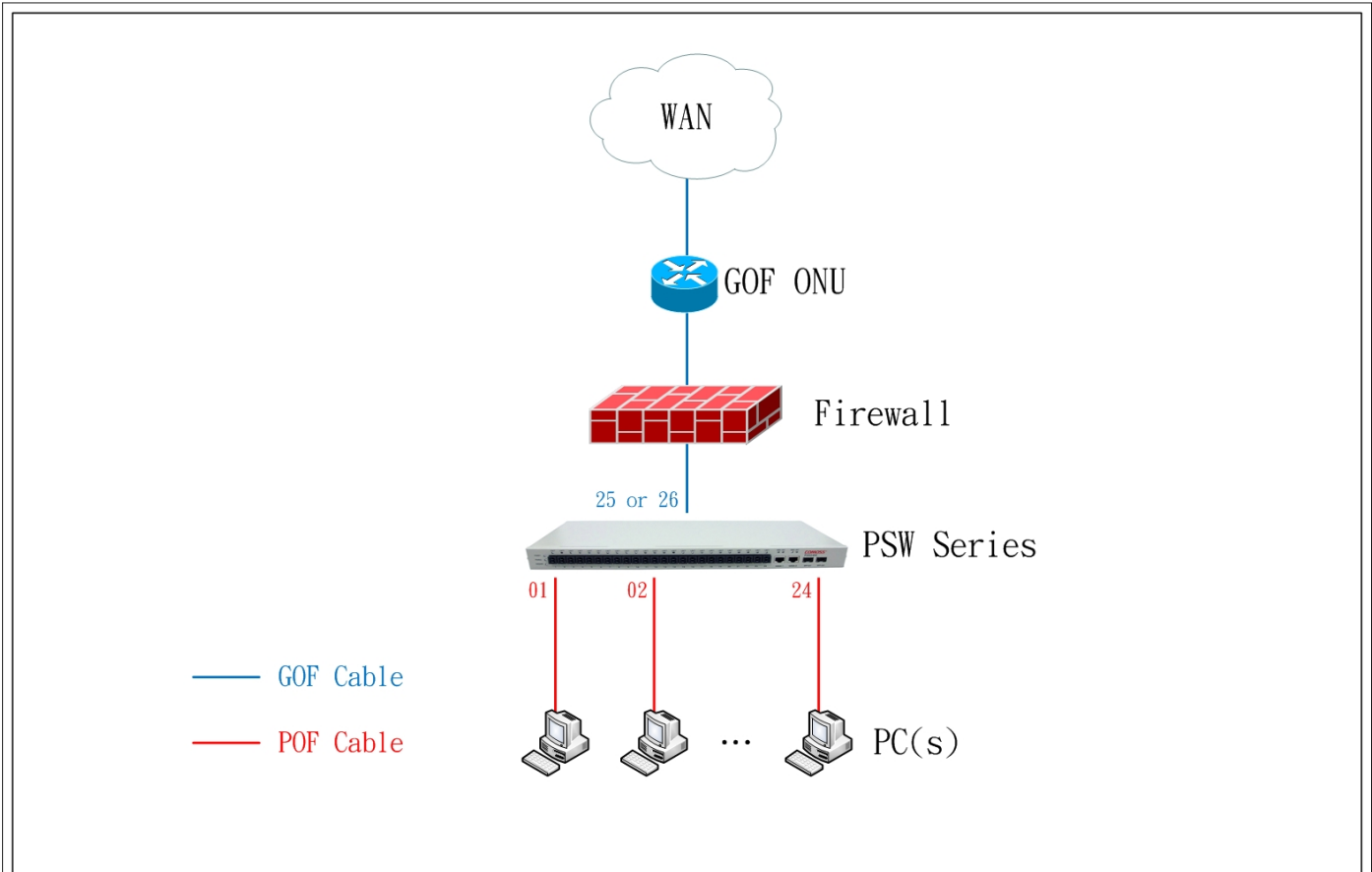
1. 24-Port 100Base-FX OPTOLOCK<sup>®</sup>.
2. 2-Port Gigabit UTP+SFP ports.
3. Complies with the IEEE 802.3, IEEE 802.3u, IEEE 802.3z and IEEE 802.3ab Gigabit Ethernet standard.
4. Auto-MDI/MDI-X detection on each RJ-45 port.
5. 4K MAC address table.
6. Port-Based VLAN and IEEE 802.1Q Tagged VLAN.
7. Static Port Trunk.
8. IGMP snooping v1 and v2 for Multi-media application.
9. Broadcast storm filter.
10. Port mirroring allows monitoring of the traffic across any port in real time
11. Supports QoS and bandwidth control on each port
12. IEEE 802.1p class of service ; support Strict and WRR mode
13. MAC Address Filter
14. IP Address Filter
15. TCP/UDP Filter
16. Firmware upgrade by HTTP file transfer protocol through Ethernet network
17. Embedded web management interface.
18. Support plug-and-play.
19. EMI standards comply with FCC, CE class A.

## Specification

<b>Hardware Specification</b>	
Ports	24 100Base-FX POF OPTOLOCK® connector/Multi-mode ( 650nm wavelength)
Connector Type	OPTOLOCK®
Gigabit ports	2 Gigabit ports 1000Base-SX/LX SFP/mini-GBIC Slot, or 1000Base-T RJ-45
Switch Processing Scheme	Store-and-forward
Throughput(packet per second)	3.571Mpps
Switch fabric	4.8Gbps
Address Table	4K entries
Share data Buffer	2Mbits
Maximum Transmit Unit	1536 Bytes
Flow Control	Back pressure for Half-Duplex, IEEE 802.3x Pause Frame for Full-Duplex
Power Input	5V/4A internal AC Adapter
Dimension	19-inch, 1U Rack-mount size 440mm x 200mm x 44mm
Total Weight	2600g
Cabling	<b>UTP:</b> Cat. 5/5e/6 UTP cable 100m <b>Fiber:</b> Plastic Optical Fiber cable, up to 50nm 50μ, 62.5μ/125 Micron Multimode Fiber, 9μMicron Single mode Fiber
<b>Layer 2 Function</b>	
System Configuration	Web management interface
Port Status	<ul style="list-style-type: none"> <li>• Display per port's disable/enable status</li> <li>• Per Port's link status and speed duplex</li> </ul>

	mode <ul style="list-style-type: none"> <li>• Per Port's Flow control status</li> </ul>														
Port Configuration	<ul style="list-style-type: none"> <li>• Per port disable/enable</li> <li>• Auto-negotiation disable/enable.</li> <li>• Flow control disable/enable</li> <li>• Bandwidth control on each port</li> </ul>														
Trunk Configuration	Support 3 groups of 4-Port trunk														
VLAN Configuration	<ul style="list-style-type: none"> <li>• IEEE 802.1Q Tag-Based VLAN</li> <li>• Port-based VLAN supports maximum up to 32 VLAN groups</li> </ul>														
Port Monitoring	One Mirroring port to monitor one mirrored port. The monitor modes are RX, TX and RX & TX														
QoS Configuration	<ul style="list-style-type: none"> <li>• Static port priority and IEEE 802.1p Class of Service (CoS) with 2-level priority queuing</li> <li>• TCP/UDP based Port QoS control</li> </ul>														
Multicast	IGMP Snooping v1 and v2 Up to 32 multicast groups														
Security	<ul style="list-style-type: none"> <li>• IP Security / Filter, up to 26 rules</li> <li>• MAC Filter, Up to 4 entries</li> </ul>														
Port counters	Display detail traffic counters on each port														
<b>Standards Conformance</b>															
Regulation Compliance	FCC Part 15 Class A, CE RoHS														
Standards Compliance	<table> <tr> <td>IEEE 802.3</td> <td>Ethernet</td> </tr> <tr> <td>IEEE 802.3u</td> <td>Fast Ethernet</td> </tr> <tr> <td>IEEE 802.3ab</td> <td>Gigabit Ethernet</td> </tr> <tr> <td>IEEE 802.3z</td> <td>Gigabit Ethernet</td> </tr> <tr> <td>IEEE 802.3x</td> <td>Full-duplex flow control</td> </tr> <tr> <td>IEEE 802.3q</td> <td>Tag-Based VLAN</td> </tr> <tr> <td>IEEE 802.3p</td> <td>Class of Service</td> </tr> </table>	IEEE 802.3	Ethernet	IEEE 802.3u	Fast Ethernet	IEEE 802.3ab	Gigabit Ethernet	IEEE 802.3z	Gigabit Ethernet	IEEE 802.3x	Full-duplex flow control	IEEE 802.3q	Tag-Based VLAN	IEEE 802.3p	Class of Service
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## Application



COMOSS<sup>®</sup> COMOSS Electronic Co., LTD.

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日期	2010.12.03	圖號	RD-20101203

POF Enterprise Network Diagram



## LED Indications

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

## Order Information

PSW - 24 O X X  
(1) (2) (3) (4)

(1) 24 POF Ports.

(4) Color of case :

- X : Black.
- Y : White.

(3) Diameter Connect Type :

- 1 : 2.2mm OPTOCLOCK® transceiver (Black color).
- 2 : 1.5mm OPTOCLOCK® transceiver (White color).

(2) Converter Type :

- O : OPTOCLOCK® POF Interface.

**P.S. OPTOCLOCK® is a registered by FIRECOMMS Ltd.**