



# 8-Port Gigabit L2 Managed PoE+ Switch with 2 SFP Slots

Model: **GS** 2008PS2

[Datasheet](#)



## Features

- 8 x 10/100/1000Mbps auto-sensing PoE Ports, 2 x Gigabit SFP Uplink Ports, 1 x Console Port
- Support IEEE802.3/IEEE802.3i/IEEE802.3u/IEEE802.3ab/IEEE802.3z
- Compatible with IEEE802.3at (30W) and IEEE802.3af (15.4w)
- Ethernet port supports 10/100/1000M adaptive
- Panel indicator monitoring the status and help failure analysis
- Fanless design, Natural Cooling, Compatible with 1U Rack Mount
- Support 802.1x port authentication, support AAA authentication, support TACACS+ authentication
- Support WEB, TELNET, CLI, SSH, SNMP, RMON management
- Support PoE Power Management, PoE watch dog
- Lightning Protection Surge: General Mode 6KV, Differential Mode 4KV, ESD 15KV

## Specifications

Model	GS2008PS2
AC INPUT	AC100-240V, 50/60Hz
Ethernet Port	8 * 10/100/1000Mbps PoE Port 2* 1000Mbps SFP Port 1 * RJ45 Console Port
Bandwidth	20Gbps
Packet Forwarding rate	14.88Mpps
DDR SDRAM	128MB
Flash Memory	16MB
Packet Buffer Memory	4M
MAC Address	8K
Jumbo frame	9.6Kbytes
VLANs	4096



# Standard

<b>Network Protocols</b>	IEEE 802.3: Ethernet MAC Protocol
	IEEE 802.3i: 10BASE-T Ethernet
	IEEE 802.3u: 100BASE-TX Fast Ethernet
	IEEE 802.3ab: 1000BASE-T Gigabit Ethernet
	IEEE 802.3z: 1000BASE-X Gigabit Ethernet (optical fiber)
	IEEE 802.3ad: Standard method for performing link aggregation
	IEEE 802.3x: Flow control
	IEEE 802.1ab: LLDP/LLDP-MED (Link Layer Discovery Protocol)
	IEEE 802.1p: LAN Layer QoS/CoS Protocol Traffic Prioritization (Multicast filtering function)
	IEEE 802.1q: VLAN Bridge Operation
	IEEE 802.1x: Client/Server Access Control and Authentication Protocol
	IEEE 802.1d: STP
	IEEE 802.1s: MSTP
	IEEE 802.1w: RSTP
<b>PoE protocol</b>	IEEE802.3af (15.4 W)
	IEEE802.3at (30 W)

<b>Industry Standard</b>	EMI: FCC Part 15 CISPR (EN55032) class A
	EMS: EN61000-4-2 (ESD), EN61000-4-4 (EFT), EN61000-4-5 (Surge)
	Shock: IEC 60068-2-27
	Free Fall: IEC 60068-2-32
	Vibration: IEC 60068-2-6
<b>Network Media</b>	10BASE-T: Cat3, 4, 5 or above UTP(≤100 M)
	100BASE-TX: Cat5 or above UTP(≤100 M)
	1000BASE-TX: Cat5 or above UTP(≤100 M)
<b>Fiber Medium</b>	Multi-mode Fiber: 50/125, 62.5/125, 100/140um
	Single-mode Fiber: 8/125, 8.7/125, 9/125, 10/125um

# Environmental standards

<b>Working Environment</b>	Operating temperature: -20~50°C
	Storage temperature: -40~85°C
	Operating Humidity: 10%~90%, No condensation
	Storage Humidity: 5%~90%, No condensation
	Working height: Up to 10,000 feet
	Storage height: Up to 10,000 feet



# Function indication

Indicator	PWR, SYS, SW, PoE, Link/ACT
PWR (Power Indicator)	Lighting: Powered
	Un-Light: No Power
SYS (System Indicator)	Flashing: System Start-up
	Lighting: System Running
Mode (DIP Indicator)	Lighting: VLAN
	Un-Light: Default
	Flashing: Extend
PoE	Lighting: PoE on
	Un-Light: PoE off
Link/ACT	Lighting: Link connection
	Flashing: Data transmission
	Un-Light: Link disconnect

DIP Function	VLAN, Default, Extend, Reset
VLAN	1-8 ports are isolated from each other, and the PoE Watchdog function is open (hardware takes precedence over software)
Default	All ports can communicate with each other, PoE Watchdog is closed
Extend	7-8 Port: Supports 250m link extension at a rate of 10M, other ports normal, PoE Watchdog open (hardware takes precedence over software)
Reset	Short press restart, long press 5 seconds to restore factory Settings



## Physical specifications

<b>Product Information</b>	Product Dimensions: 268*181*44mm
	Package Dimensions: 312*260*84mm
	Product N.W: 1.2KG
	Product G.W: 1.7KG
<b>Packing Information</b>	Carton Dimensions: 540*435*332mm
	Packing Qantity: 10PCS
	Packing weight: 18KG
<b>Voltage</b>	Input Voltage: AC100-240V/50-60Hz
	Power supply: 52V2.3A
<b>Packing list</b>	1. Ethernet switch: 1 Set
	2. Instruction manual: 1 PCS
	3. Certificate: 1 PCS
	4. Power cord: 1PCS
	5. Serial cable: 1PCS
	6. Brackets: 1 pair

## Software function

<b>Basic function</b>	Support hardware watchdog, factory reset, system and port LED
	Support global information, statistical information, log information
	Support User management, alarm management, configuration management
	Support Port rate, duplex, flow control, maximum frame length configuration
	Support Port mirroring, port speed limit, port energy saving
<b>PoE function</b>	Support PoE time management
	Support PoE automatic monitoring / PoE Watchdog
	Support PoE port power configuration
<b>VLAN</b>	Support 4K VLAN
	Support 802.1Q VLAN , baesd on port VLAN
	Support Access, Trunk, Hybrid VLAN mode
	Support GVRP (VLAN registration protocol)
	Support MAC VLAN , IP VLAN
	Support Voice VLAN
<b>MAC</b>	Support MAC address automatic learning and aging
	Support Static, dynamic, filtered address table



<b>Security features</b>	Password protection
	Support Restrict user access based on port number, IP address, MAC address
	Support HTTPS, SSH V1/V2
	Support VLAN-IP-MAC-PORT binding
	Support ARP detection, IP source protection, DoS protection
	Support DHCP Snooping, DHCP Attack protection
	Support 802.1X Certification
	Support AAA (Authentication, Authorization, Accounting), Support RADIUS protocol
	Support Port security, port isolation
<b>Access control</b>	Support L2(Layer 2)~L4(Layer 4) Packet filtering function
	Support Port mirroring, flow rate limiting, QoS remarking
<b>QOS</b>	Support 8 port queues
	Support Port priority, 802.1P priority, DSCP priority
	Support SP, WRR Priority scheduling algorithm
<b>Spanning tree</b>	Support STP(IEEE 802.1d), RSTP(IEEE 802.1w) and MSTP (IEEE 802.1s) protocol
	Support Multi-instance, Support Aggregate interface
	Support BPDU protection

<b>Multicast</b>	Support IGMP v1/v2/v3 Snooping
	Support MLD v1/v2 Snooping
	Support Layer 2 multicast fast leave mechanism, querier
	Support Layer 2 IPv4 static multicast
	Support Layer 2 IPv6 static multicast
<b>Storm suppression</b>	Support IGMP v1/v2/v3 Layer 3 multicast
	Support multicast suppression
	Support broadcast storm suppression
<b>Ring protection</b>	Support unknown unicast suppression
	Support Ring protection
	Support Static Aggregation
<b>Link Aggregation</b>	Support LACP Dynamic Aggregation
	Support based on IP, MAC, mixed load-balancing modes
	Maximum support 8 aggregation groups (8 ports per aggregation group)
<b>IPv6</b>	Support IPv6 Ping, IPv6 Traceroute, IPv6 Telnet
	Support IPv6 SSH
	Support IPv6 HTTP , IPv6 HTTPS



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Management and Maintenance	Support WEB Management (HTTP, HTTPS)
	Support CLI (Telnet, SSH V1/V2, Local serial port)
	Support SNMP V1/V2/V3
	Support RMON V2
	Support LLDP Device discovery
	Support SNTP Time synchronization
	Support CPU Monitoring, Memory Monitoring
	Support System log, classification warning
	Support Ping, Traceroute detection, cable detection
	Support WEB Management (HTTP, HTTPS)

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