



## GS-1108C: 8-Port Web-Smart Gigabit Ethernet Switch with 2 SFP Dual Media

### Key Features

- **Standard compliance**
  - 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 802.1q VLAN
- **RoHS Compliance**
- **Subscriber Interface**
  - 8 Gigabit Ethernet ports
  - Auto-negotiation
  - Auto-MDIX
  - Back pressure flow control for half duplex
  - Flow control for full duplex.
  - Port 7,8 are TP/SFP Fiber auto sense
  - Connector: 8 RJ-45 and 2 SFP module
- **Performance**
  - Switching capacity:**
    - 16 Gbps forwarding bandwidth for switch, non-blocking switch fabric
    - Wire speed performance
    - 8 K MAC addresses
    - 144KB on-chip frame buffer.
    - Jumbo frame support.
  - VLAN**
    - Port-base VLAN
    - IEEE802.1q tag-base VLAN, 4094 Max
  - QoS**
    - Supports Layer 4 TCP/UDP Port and ToS Classification
    - Supports 802.1p QoS with two level priority queue
  - Bandwidth Control**
    - Supports bandwidth rating per port ingress and egress rate limit 1000 Mbps with 1Mbps increment
  - Port Trunk**
    - Port trunking with 4 trunking groups
    - Up to 8 ports for each group
  - Broadcast Storm**
    - Broadcast Storm suppression
  - Port Mirroring**
    - All port support port mirroring

### Benefits

- **Noise free fanless design for home and SOHO users**

Home and SOHO users are always working in a small and limited space, therefore, noise free fanless switch becomes necessary and important.
- **QoS supports layer 4 classification**

The switch supports not only Layer 2 802.1p Priority Queue control, but also supports programmable higher layer classification and prioritization to enable enhanced Quality of Service (QoS) support for real time applications base on information taken from Layer 2 to Layer 4, such as VoIP.
- **Port Mirroring**

Port mirroring copies traffic from a specific port to a target port. This mechanism helps track network errors or abnormal packet transmission without interrupting the flow of data.
- **VLAN for performance & security**

The VLAN feature in the switch offers the benefits of both security and performance. VLAN is used to isolate traffic between different users and thus provides better security. Limiting the broadcast traffic to within the same VLAN broadcast domain also enhances performance.
- **Port Trunk for Bandwidth Aggregation**

The Gigabit ports can be combined together to create a multi-link load-sharing trunk. Up to 4 Gigabit ports can be set up per trunk. The switch supports up to 4 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.
- **2 Dual Media ports for Flexible Fiber Connection**

Port 7, 8 dual media ports are provided for flexible fiber connection. You can select to install optional transceiver modules in these slots for short, medium or long distance fiber backbone attachment. Use of the SFP will disable their corresponding built-in 10/100/1000Base-T connections.
- **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 for user to familiar the method to control switch on the basis of this design.

### Overview

The Switch is a cost-effective web smart switch that meets all IEEE 802.3/u/x/z Gigabit, Fast Ethernet specifications. It is equipped with 8 10/100/1000Base-T ports and 2 of which are dual media ports that accommodate optional 10/100/1000Base-T or SFP modules. The switch can be managed through Ethernet port using Web browser, the network administrator can logon the switch to monitor, configure and control each port's activity. In addition, the switch implements the QoS (Quality of Service), Port Mirror, VLAN, Port Trunk. It is suitable for office application.

### Technical Specifications

#### • LED Description

	LED	Color	Function
Global	POWER	Green	-Lit when +5V power is coming up
Global	CPU	Green	-Blinks when CPU is active
Port 1-8	LINK/ACT	Green	-Lit when connection with remote device is good -Blinks when any traffic is present
Port 1-8	10/100/1000Mbps	Green /Amber	-Lit Green when TP link on 1000Mbps speed -Lit Amber when TP link on 100Mbps speed -Off when 10Mbps or no link occur
Port 7,8	SFP	Green	-Lit when SFP connection with remote device is good -Blinks when any traffic is present

#### • Hardware Spec

Feature	Detailed Description
Voltage	100~240 VAC
Frequency	50~60 Hz
Consumption	10W
Ambient Temperature	0 to 40 °C
Dimensions	44(H) x 220(W) x 130.5(D) mm
Humidity	5% to 90%
Weight	1kg
Safety	UL Complies with FCC Part 15 Class A & CE Mark

#### Packing Information

Carton Dimensions (mm)	pcs/Carton	N.W (KG)	G.W (KG)
495x480x335	10	16	17
530x512x345	12	19	20

#### Ordering Information

Model Numbers	
<b>GS-1108C</b>	8-Port Web-Smart Gigabit Ethernet Switch with 2 SFP Dual Media
Optional SFP Module	
<b>SFP.LC</b>	1000Base-SX GE SFP Fiber Module, LC Multi-Mode 850nm
<b>SFP.LC.M2</b>	1000Base-SX GE SFP Fiber Module, LC Multi-Mode 1310nm 2km

#### Note:

We recommend the SFP transceiver from the following vendors:

1. Ruby Tech Corporation
2. Agilent Technologies
3. AVAGO Technologies
4. Finisar Corporation

### Ruby Tech Corp.

3F, No.1, Lane 50, Nan Kang Road, Sec.3, Taipei, Taiwan  
 TEL:886-2-2785-3961 FAX:886-2-2786-3012

<http://www.rubytech.com.tw>

E-mail : [rubytech@mail.rubytech.com.tw](mailto:rubytech@mail.rubytech.com.tw)

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