



## GSW-1005MS

**5-Port 10/100/1000Base-T to 1-Port 100/1000Base-X Managed GbE Switch with Cable Tray Optional**

GSW-1005MS is a managed Gigabit Ethernet CPE switch designed 5-Ports 10/100/1000Base-T RJ45 and 1 port 100/1000Base-X SFP based fiber optics. The traditional transmission distance of Gigabit Ethernet over RJ45 copper can be extended up to 100km over a fiber optics interface. GSW-1005MS has an optional cable tray that allows the installer to enclose the excessive fiber within the unit, thus providing protection for the sensitive fiber at subscriber side. LEDs provide visual monitoring of Ethernet connected devices such as Ethernet home gateways, wireless access points or PC/laptop via 10/100/1000Base-T twisted pair RJ45 ports on GSW-1005MS. When GSW-1005MS is deployed as a stand-alone solution, it incorporates an easy to use Web user interface for operation, administration and maintenance both locally and remotely. All of the enabled Layer 2 features and functions of GSW-1005MS can be configured and monitored via web, CLI and SNMP management interfaces. GSW- 1005MS is particularly suitable for deploying and provisioning active Ethernet FTTH service of multi-service operators (MSO).

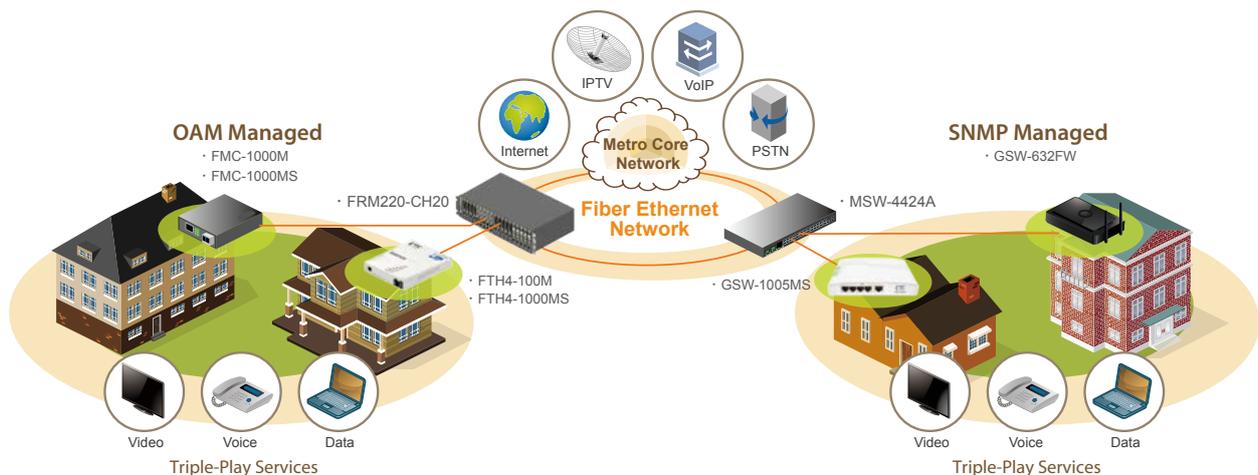
### Features

- 5-Port 10/100/1000Base-T + 100/1000Base-X SFP uplink
- Supports 9.6K Bytes jumbo frame
- Supports IEEE 802.1Q tagged VLAN & Q-in-Q VLAN stacking
- Supports IEEE 802.1p priority queue
- Supports IGMP snooping v1/v2/v3
- Supports DHCP auto provisioning
- Fiber cable tray(optional)

### Specifications

<b>Interface</b>	10/100/1000Base-T * 5 + 100/1000Base-X SFP uplink * 1	<b>Management</b>	Web/Telnet/SNMP management interface DHCP auto provisioning TFTP/HTTP firmware upgrade
<b>HW Capability</b>	Non-blocking wire speed switching performance 9.6K bytes jumbo frame forwarding 8K MAC address table	<b>SNMP agent</b>	SNMP v1/v2c/v3
<b>VLAN Feature</b>	IEEE 802.1Q tagged VLAN, IEEE 802.1ad Q-in-Q	<b>Optical interface</b>	SFP LC connector
<b>QoS Feature</b>	IEEE 802.1p 8 priority queues per port	<b>Power input</b>	AC Power Adapter
<b>Bandwidth Control</b>	Per port based egress/ingress rate limit control	<b>Operating temperature</b>	0 ~ 50°C
<b>IP Multicasting</b>	IGMP snooping v1/v2/v3	<b>Humidity</b>	5% ~ 90% (non-condensing)
<b>Storm Control</b>	Unicast/Broadcast/Multicast storm suppression	<b>Dimensions</b>	120 x 170 x 35 mm (D x W x H)
		<b>Regulatory</b>	FCC, CE, RoHS compliant

### Application



### QoS with Four Priority Queues

The QoS (Quality Of Service) function provides eight priority queues to support different classifications of traffic. High priority packet streams experience less delay inside the GSW-1005MS, which supports lower latency for certain delay-sensitive traffic. The GSW-1005MS can classify the packet as one of the eight priorities according to VIP port.

### Remote Firmware Upgrade

The remote firmware upgrade feature enables the switch to be updated remotely via firmware upgrade including the products that were already installed in the field. This feature eliminates the need for the users to ship the product back to the supplier.

### Bandwidth Control

The Bandwidth Control function allows users to set the bandwidth of GSW-1005MS switch for both ingress and egress rate and can be allocated a variety of rates up to full bandwidth capability of the devices (100Kbps ~ 1000Mbps).

### Broadband Services

The GSW-1005MS product philosophy allows the end user to follow and benefit fully from the fast developments in Fiber to the home-networking solutions. The CPE is the interface between the digital broadband network and the user peripheral equipment, such as routers, wireless access points, servers, and printers. With generations of computers and home networking equipment coming and going the GSW-1005MS will be a constant and reliable factor for the delivery of broadband data services.

These services are not limited to today's broadband internet applications. In the next few years, end-users will also benefit from next generation health-care, security, communication and infotainment services. The GSW-1005MS CPE platform fully supports today's services and is ready for the next wave of new broadband services. Flexibility is key, since the CPE functionality must be matched to the requirements of those new services.

### Quick Installation

The installation of the wall-mount unit of GSW-1005MS CPE is swift and straightforward. Because of its size and ideal dimensions, the GSW-1005MS CPE can be positioned easily at the user residence or home. The GSW-1005MS design allows easy access for mounting and does not need the small elements, making the installation process predictable and hassle-free. The wall-mount unit, including integrated fiber tray, not only makes fiber handling and termination easy and robust, but also eliminates the need for optical patch cords.

#### Step 1

First, install fiber cable on the cable tray base.

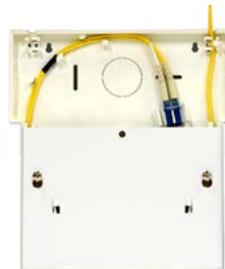


Single Fiber

Dual Fiber

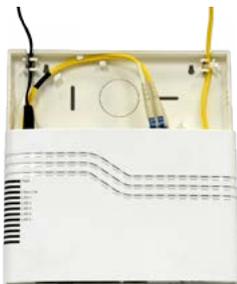
#### Step 2

Then, put the dust cover on the cable tray base and fasten two items with a screw securely.



#### Step 3

Use two wall-mounting holes on GSW-1005MS to install GSW-1005MS on the cable tray base. Connect the fiber cable connector to the SFP transceiver and connect the power cable.



#### Step 4

Finally, install the upper cover.



### Ordering Information

Model Name	Description
GSW-1005MS	5-Port 10/100/1000Base-T to 100/1000Base-X managed Gigabit Ethernet Switch (cable tray optional)