

## GSW-1005MS

### Managed Gigabit Ethernet CPE Switch

**NEW**



The GSW-1005MS is an Managed Gigabit Ethernet CPE switch designed to make conversion between 5-Port 10/100/1000Base-T RJ45 and 1 port 100/1000Base-X fiber optics with SFP LC connector. The traditionally transmission distance of Gigabit Ethernet over RJ45 copper interface can be extended from 550m to 100km over fiber optics interface. Also, the GSW-1005MS has a optional cable tray that allows the user to enclose the excessive fiber within the switch. It provides protection for the sensitive fiber at subscriber site. The GSW-1005MS is fully compliant with IEEE 802.3, 802.3u, 802.3ab and 802.3z standards. Users can simply connect the other device such as Ethernet home gateway, wireless access point or NIC on PC/laptop via 10/100/1000Base-T twisted pair RJ45 port of GSW-1005MS CPE switch without crossover the Ethernet cable and monitor the device status over the comprehensive LED display. 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 local and remotely. All of the enabled Layer 2 features and functions of GSW-1005MS can be configured and monitored via web and SNMP management interface. The GSW-1005MS is the most suitable solution for deploying and provisioning FTTH service of operators or service providers.

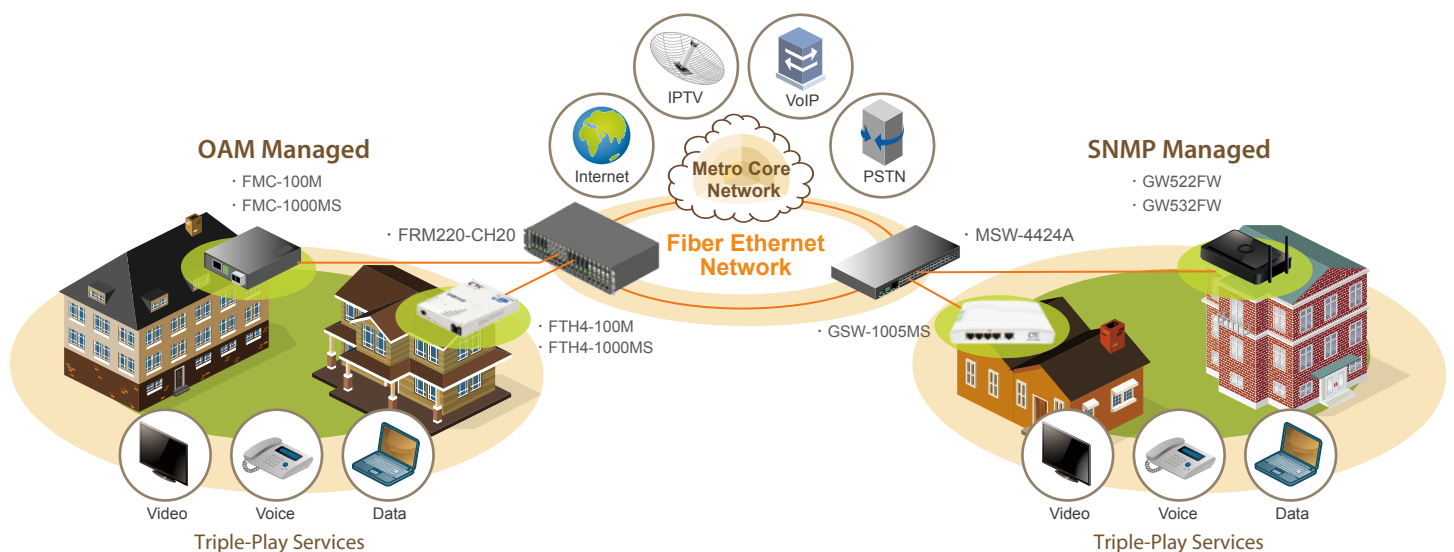
#### Features

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

#### Specifications

Interface	10/100/1000Base-T * 5 + 100/1000Base-X SFP uplink * 1	Configuration and Network management	Web/Telnet/SNMP management interface DHCP auto provisioning TFTP/HTTP firmware upgrade
HW capability	Non-blocking wire speed switching performance 9.6K bytes jumbo frame forwarding 8K MAC address table	SNMP agent	SNMP v1/v2c
VLAN feature	IEEE 802.1Q tagged VLAN, IEEE 802.1ad Q-in-Q	Optical interface	SFP-LC connector
QoS feature	IEEE 802.1p 4 priority queues per port	Power input	100V ~ 240V AC
Bandwidth Control	Per port based egress/ingress rate limit control	Operating temperature	0 ~ 50°C
IP multicasting	IGMP snooping v1/v2	Humidity	5% ~ 90% (non-condensing)
Storm Control	unicast/Broadcast/Multicast storm suppression	Dimensions	120 x 170 x 35 mm(D x W x H)
		Regulatory	FCC, CE, RoHS

#### Application



### QoS with Four Priority Queues

The QoS (Quality Of Service) function provides four 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 four priorities according to VIP port.

### Remote Firmware Upgrade

The remote firmware upgrade feature enables the media converter 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 media converter 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.

## Ordering Information

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