



## 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 a 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 FTTX service of multi-service operators (MSO).

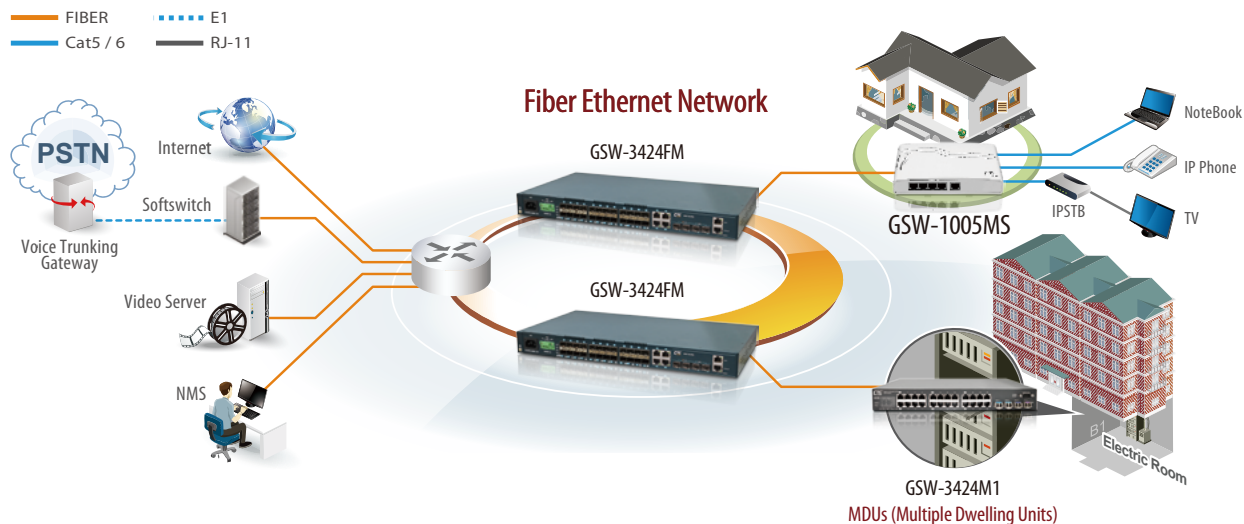
### Features

- 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
- Supports dying gasp
- Fiber cable tray(optional)

### Specifications

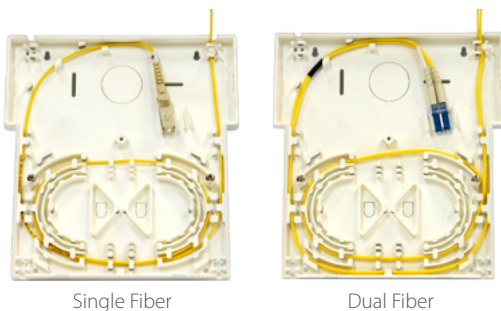
<b>Interface</b>	5x 10/100/1000Base-T(X) RJ-45 with 1x 100/1000Base-X SFP	<b>Security</b>	Port based/single/multiple IEEE 802.1x access control MAC based access control authentication RADIUS authentication, limited MAC address learning IP/MAC binding, ACL rule based filtering TACACS+, IP source guard DHCP snooping/relay option 82 ARP inspection, IP source guard
<b>Filter &amp; forward rate</b>	10M (14880/14880pps) 100M (148800/148800pps) 1000M (1488000/1488000pps)	<b>IP multicasting</b>	IGMP throttling, IGMP filtering, IGMP fast leave, IGMP snooping v1/v2/v3, MVR, MLD snooping v1
<b>Transmission method</b>	Store and Forward Switching	<b>Storm Control</b>	Unicast/Broadcast/Multicast storm suppression
<b>Standard</b>	IEEE 802.3u, IEEE 802.3z, IEEE 802.3ae, IEEE 802.3x, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1ad, IEEE 802.1x, IEEE 802.1ab	<b>Management</b>	Web/Telnet CLI interface, Web/CLI authentication, SSH v2, HTTPs, port mirroring, system syslog, IPv6 management, NTP, text based configuration upload or download, IEEE 802.1ab LLDP, Cisco discovery filtering (CDP), sFlow, DHCP auto provisioning
<b>Packet buffer</b>	4M bits	<b>SNMP agent</b>	SNMP v1/v2c/v3
<b>MAC table size</b>	8K	<b>Software upgrade</b>	TFTP/HTTP
<b>Jumbo frame size</b>	9600 Bytes	<b>Operating Temperature</b>	0 ~ 50°C
<b>VLAN feature</b>	IEEE 802.1Q tagged VLAN MAC based VLAN Protocol based VLAN Private VLAN for port isolation IP subnet based VLAN, Voice VLAN VLAN translation, IEEE 802.1ad Q-in-Q	<b>Humidity</b>	5% ~ 90% (non-condensing)
<b>QoS feature</b>	IEEE 802.1p 8 priority queues per port, Port Default Priority, User Priority, Input priority mapping, QoS Control List (QCL Mode), Storm Control for UC, BC and Unknown, Port policers, Global/VCAP (ACL) policers, Port egress shaper, Queue egress shapers, DiffServ (RFC2474) remarking, Tag remarking, Scheduler mode	<b>Dimensions</b>	170 x 120 x 35mm (D x W x H)
		<b>Certification</b>	FCC, CE, RoHS compliant

## Application



### Step 1

First, install fiber cable on the cable tray base.



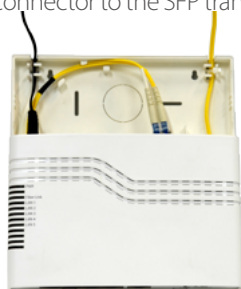
### Step 2

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)
CT001	Cable Tray for GSW-1005MS/GSW-2008MS
CT002	Cable Tray & LAN cable protection cover for GSW-1005MS/2008MS
CH01-WMK02	Single unit Magnetic Mounting Kit