

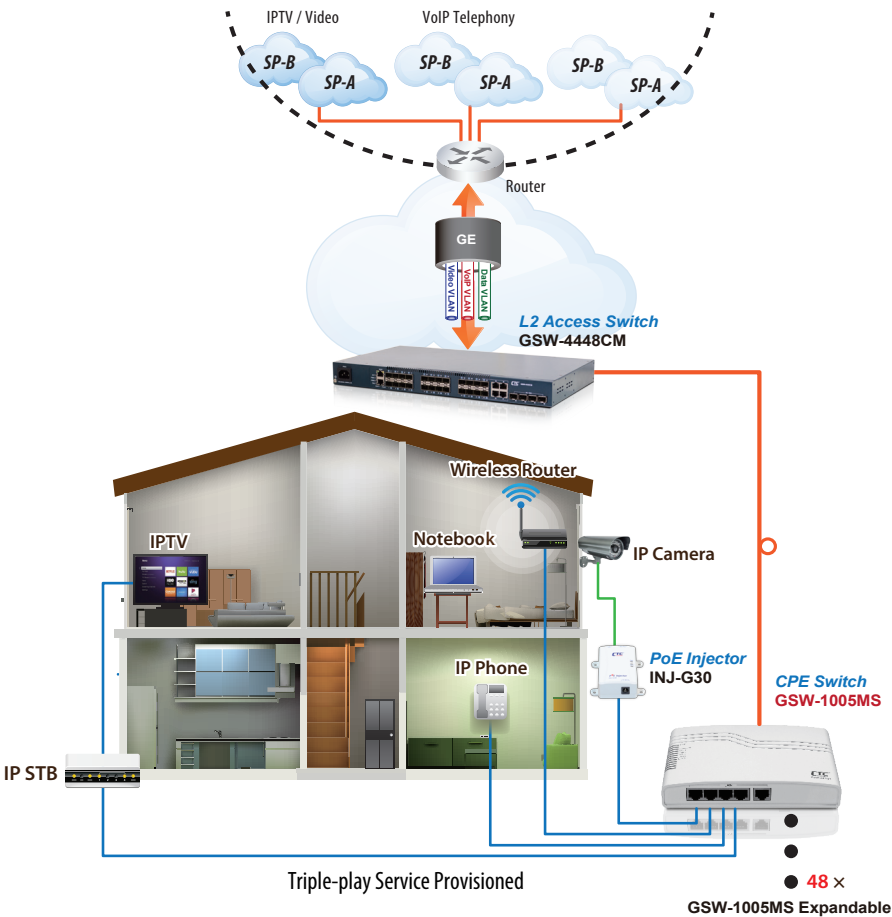
**5 × GbE/RJ45 + 1 × 1G/SFP L2+ Managed Ethernet Switch**

CTC Union technologies unveils the initial generation CPE switch, GSW-1005MS, which is equipped 5 ports 10/100/1000Base-T RJ45 and 1 port 100/1000Base-X SFP based fiber optics for P2P FTTH service. The 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 excess fiber within the unit, thus providing protection for the sensitive fiber at subscriber side.

The GSW-1005MS fully supports Layer 2 feature sets with popular network management interfaces such as Web GUI, SNMP. The GSW-1005MS also supports DHCP auto provisioning which are suitable for the very largescale deployment from operator or service provider. Both device management features can avoid truck rolls and save OPEX for FTTH service providers.

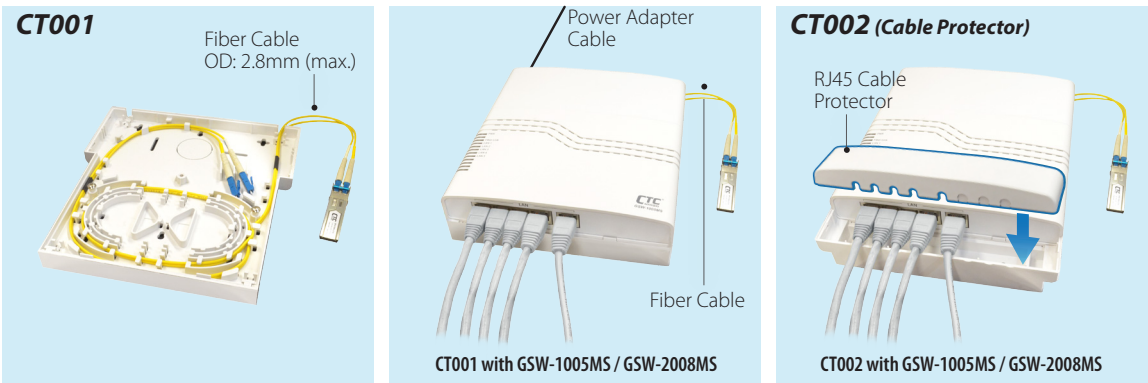
**Specifications**

|                               |   |
|-------------------------------|---|
| <b>Interface</b>              | Fiber port: 1x 100/1000Base-X SFP<br>Copper port: 5x 10/100/1000Mbps RJ45   |
| <b>Packet Forwarding Rate</b> | 14880pps @10Mbps<br>148800pps @100Mbps<br>1488000pps @1000Mbps  |
| <b>Transmission Method</b>    | Store and Forward Switching   |
| <b>Packet Buffer</b>          | 4M bits   |
| <b>MAC Table Size</b>         | 8K  |
| <b>Jumbo Frame Size</b>       | 9600 Bytes  |
| <b>VLAN Feature</b>           | IEEE 802.1Q tagged VLAN (4K VLAN groups), IEEE 802.1ad QinQ VLAN, Voice VLAN<br>MAC based VLAN, Protocol based VLAN, IP subnet based VLAN, Private VLAN for port isolation  |
| <b>QoS Feature</b>            | Hard wired IEEE 802.1p 8 priority queues per port, Traffic scheduling based on strict/WRR priority<br>CoS based traffic classification on switch port, VLAN ID, DSCP, TCP/UDP port<br>IEEE 802.1p priority tag remarking, DSCP remarking<br>Per port/queue based ingress/egress rate limit in steps of 100kbps, IEEE 802.3x flow control<br>Multicast/Broadcast/Unicast storm control with flooding control |
| <b>Security</b>               | Static port security (MAC based), Per port limited MAC learning<br>Port based/MAC base/single/multiple IEEE 802.1x access control<br>256 ACL rules based on L2~L4 information, RADIUS/TACACS+ Authentication, HTTPs & SSH v2<br>IP/MAC binding, IP source guard & ARP inspection  |
| <b>IP Multicasting</b>        | IGMP snooping v1/v2/v3, IGMP proxy, MLD snooping v1, IGMP fast leave, IGMP query<br>IGMP filtering/throttling, MVR (Multicast VLAN Registration)  |
| <b>Management</b>             | WebGUI/Telnet CLI interface, SNMP v1/v2c/v3, RMON I (1,2,3,9 groups) & RFC1213 MIB II<br>Dying gasp in SNMP trap message, DHCP client/snooping/relay option 82<br>TFTP/HTTP based firmware and configuration upgrade, Port mirroring, Event syslog server<br>DHCP auto provisioning with option 60/66/67/254, NTP client, UPnP, IPv4/IPv6 management<br>SFF-8472 DDMI, IEEE 802.1ab LLDP                    |
| <b>Power Input</b>            | AC/DC power adaptor, 12VDC/1A   |
| <b>Power Consumption</b>      | 4.8 Watts Max.  |
| <b>Operating Temperature</b>  | 0~50°C  |
| <b>Storage Temperature</b>    | -25~70°C  |
| <b>Humidity</b>               | 5%~90% (non-condensing)   |
| <b>Dimension</b>              | 170 × 120 × 35 mm (W×D×H)   |
| <b>Certification</b>          | CE, FCC class A   |



### Cable Tray Assembly

CT001/CT002 is an optional fiber tray and mounting hardware for deploying GSW-1005MS/2008MS for residential fiber to the home applications. CT001/CT002 tray options is wall mounted, allowing secure termination of fiber leads.



### Ordering Information

| Model Name | Description  |
|------------|--|
| GSW-1005MS | 5-port 10/100/1000 Base-T to 100/1000 Base-X Managed GbE Ethernet Switch (cable tray optional) |

### Optional Accessory

| Model Name | Description   |
|------------|---|
| CT001      | Cable Tray for GSW-1005MS/GSW-2008MS                          |
| CT002      | Cable Tray & LAN cable protection cover for GSW-1005MS/2008MS |

### Dimensions (mm)

