GSW-2008MS

8 × GbE/RJ45 + 2 × 1G/SFP
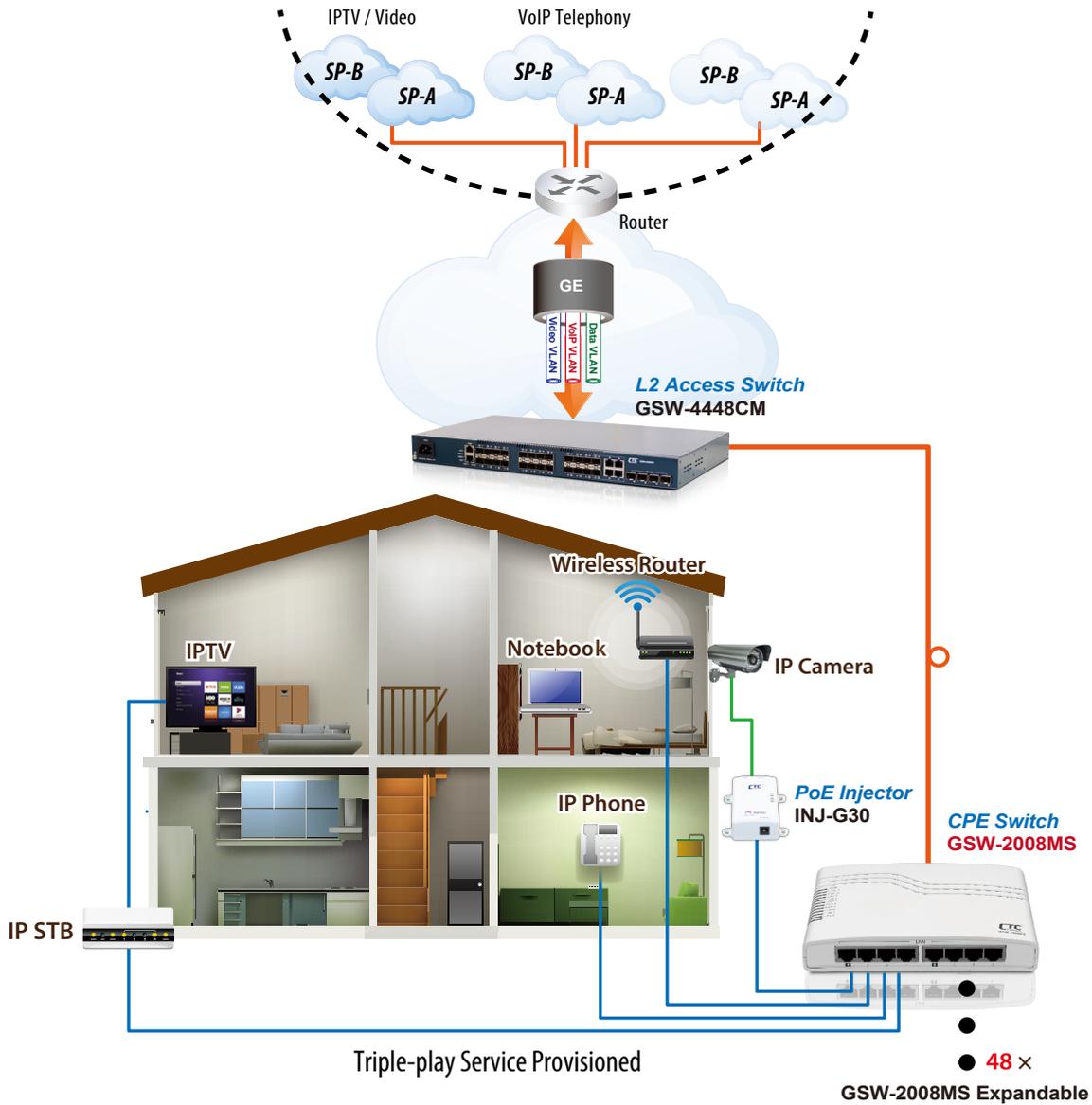L2+ Managed Ethernet Switch

CTC Union technologies unveils the series extension of CPE switch, GSW-2008MS, which is equipped 8 ports 10/100/1000Base-T RJ45 and 2 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-2008MS 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-2008MS fully supports Layer 2 feature sets with popular network management interfaces such as Web GUI, SNMP. The GSW-2008MS 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.
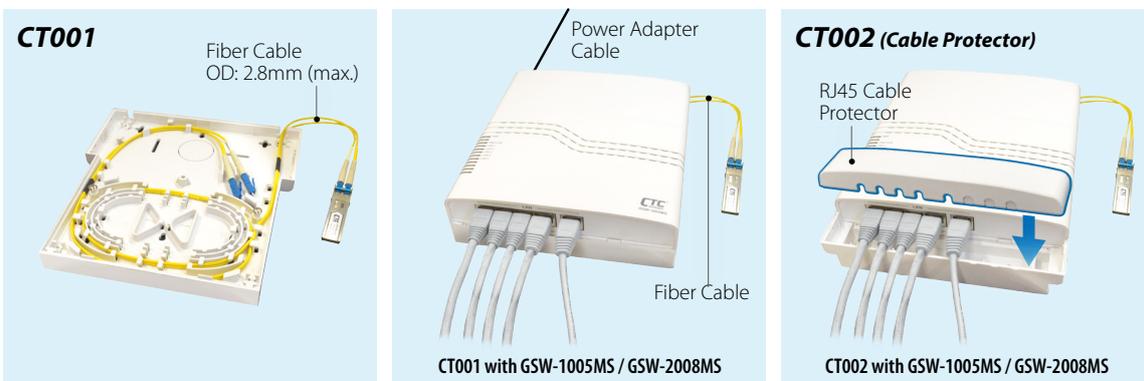
▌Specifications

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

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www.ctcu.com / sales@ctcu.com   Specifications & design are subject to change without prior notice. Please visit CTC Union website for more details.

Application

IPTV / Video   VoIP Telephony

SP-B   SP-A   SP-B   SP-A   SP-B   SP-A

Router

GE

Video VLAN   VoIP VLAN   Data VLAN

L2 Access Switch
GSW-4448CM

Wireless Router

IPTV   Notebook

IP Camera

PoE Injector
INJ-G30

CPE Switch
GSW-2008MS

IP Phone

IP STB

Triple-play Service Provisioned

● 48 ×

GSW-2008MS Expandable

Cable Tray Assembly

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

CT001

Fiber Cable
OD: 2.8mm (max.)

Power Adapter
Cable

Fiber Cable

CT001 with GSW-1005MS / GSW-2008MS

CT002 *(Cable Protector)*

RJ45 Cable
Protector

CT002 with GSW-1005MS / GSW-2008MS

Cable Tray Assembly

Model Name	Description
GSW-2008MS	8-port 10/100/1000 Base-T to 2-port 100/1000 Base-X Managed GbE 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)

180(H)x 169.5(W)x 43(D)

CT001

210.3(H)x 169.5(W)x 43(D)

CT002