Revised - 03. 2015

GSW-2008MS

8-Port 10/100/1000Base-T to 2 Port 100/1000Base-X Managed GbE Switch with Cable Tray (Optional)

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CPE Switch

The CTC Union GSW-2008MS is a managed Gigabit Ethernet CPE switch positioned as a layer 2 managed switch solution for high speed connectivity with popular traffic priority and management capabilities for small and medium businesses. It features 8-port 10/100/1000Base-T RJ45 and 2-100/1000Base-X SFP based fiber optics. The GSW-2008MS is designed with a high-performance switching architecture and offers wire-speed transportation capability for bandwidth-intensive applications of enterprises. More and more corporations are adapting new IT technologies over the network such as voice over IP, video conference to improve productivity and save operation expenditure. The GSW-2008MS also supports features such as VLAN, QoS, IGMP for multicast applications and network management to fulfill SMB requirements. The GSW2008 delivers a cost effective Gigabit Ethernet solution to meet the converged applications for enterprise customer's networks.
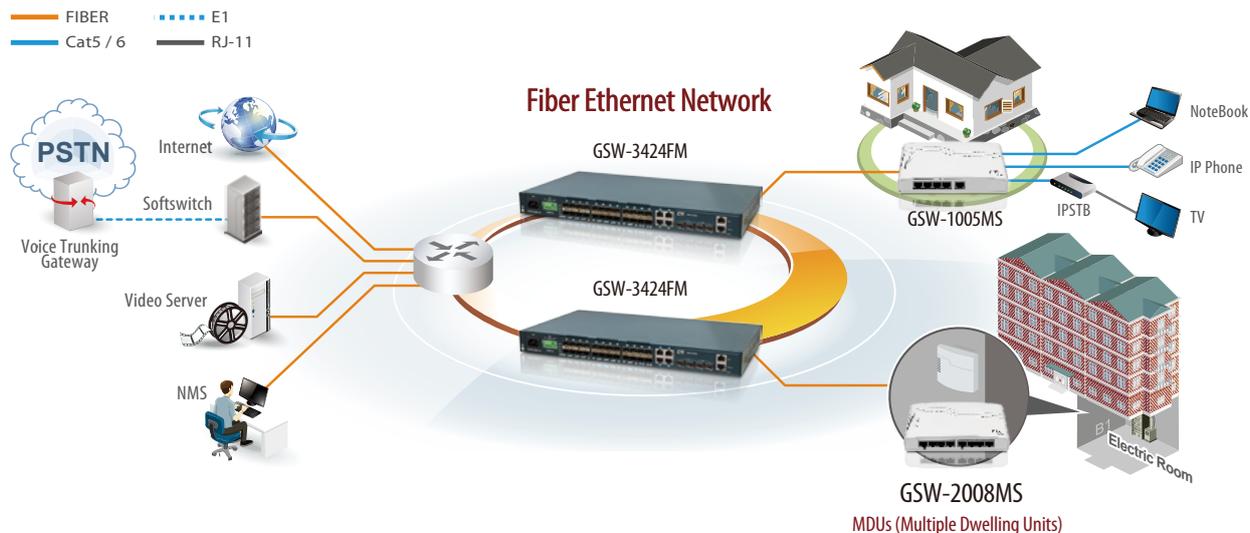
Features

- 8-port 10/100/1000Base-T RJ45 + 2 uplink 100/1000Base-X SFP slot
- Supports 9K 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 dying gasp
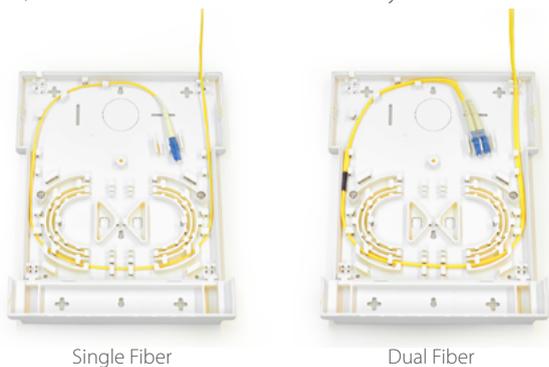- Fiber Cable Tray (optional)

Specifications

Interface	8x 10/100/1000Base-T(X) RJ-45 with 2x 100/1000Base-X SFP
Filter & forward rate	10M (14880/14880pps)
	100M (148800/148800pps)
	1000M (1488000/1488000pps)
Transmission method	Store and Forward Switching
Standard	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 802.1D, IEEE 802.1w, IEEE 802.1s, IEEE 802.3ad, IEEE 802.1ab
Packet buffer	4M bits
MAC table size	8K
Jumbo frame size	9600 Bytes
VLAN feature	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
L2 switching protection	STP, RSTP, MSTP
Trunking	IEEE 802.3ad LACP
QoS feature	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

Security	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
IP multicasting	IGMP throttling, IGMP filtering, IGMP fast leave, IGMP snooping v1/v2/v3, MVR, MLD snooping v1
Storm Control	Unicast/Broadcast/Multicast storm suppression
Management	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
SNMP agent	SNMP v1/v2c/v3
Software upgrade	TFTP/HTTP
Operating Temperature	0 ~ 50°C
Humidity	5% ~ 90% (non-condensing)
Dimensions	170 × 120 × 35mm (D x W x H)
Certification	FCC, CE, RoHS compliant

Specifications & design are subject to change without prior notice. Please visit CTC Union website for more details.

GSW-2008MS www.ctcu.com sales@ctcu.com CTC union **4-19**

Application

FIBER
E1
Cat5 / 6
RJ-11

PSTN

Internet

Softswitch

Voice Trunking Gateway

Video Server

NMS

Fiber Ethernet Network

GSW-3424FM

GSW-3424FM

GSW-1005MS

NoteBook

IP Phone

IPSTB

TV

Electric Room

GSW-2008MS

MDUs (Multiple Dwelling Units)

Step 1

First, install fiber cable on the cable tray base.

Single Fiber   Dual Fiber

Step 2

Use two wall-mounting holes on GSW-2008MS to install GSW-2008MS on the cable tray base. Connect the fiber cable connector to the SFP transceiver and connect the power cable.

Step 3

Finally, install the upper cover.

Ordering Information

Model Name	Description
GSW-2008MS	8-port 10/100/1000 Base-T to 2-port100/1000 Base-X Managed GbE 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

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