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GSW-4208CM

CTC°union

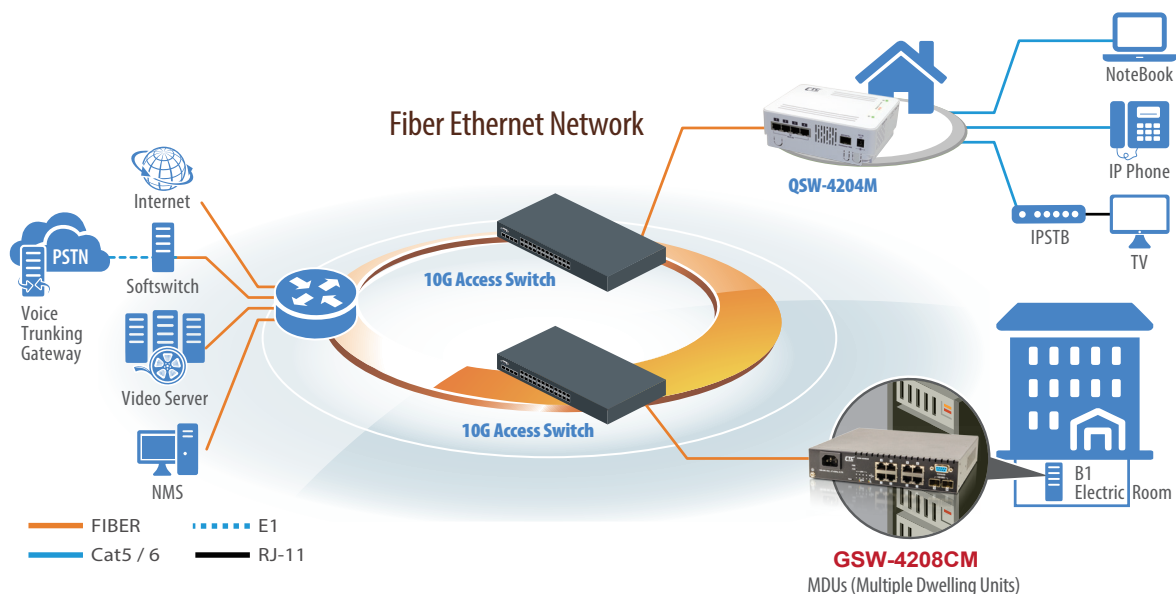## 8 × GbE/RJ45 + 2 × 1G/10G SFP+ L2+ Managed Ethernet Switch

CTC Union Technologies unveils the L2+ managed Ethernet switch, GSW-4208CM, which is positioned as low port count density switch but supports 10G fiber uplink connectivity. It is aimed at the small & medium business market segment and MDU (Multiple Dwelling Unit) of FTTH deployment. It is equipped with 8 Gigabit RJ45 ports and 4 10G SFP+ slots. It will deliver the benefits of optimal traffic transportation performance and lower ownership cost while maintaining the network deployment simply. The GSW-4208CM Ethernet switch provides VLAN, QoS and IGMP L2 feature sets as well as robust security management to facilitate service provider and MIS team of enterprise build out of a manageable and secure Ethernet access network rapidly. The redundant power design can increase the high network availability due to the power supply outage unpredictably.

Specifications

Interface	Copper port: 8x 10/100/1000Base-T RJ45	
	Uplink port: 2x 1000Base-X SFP slot	
	Console port: 1x RS-232 in DB-9	
Switching Fabric Capacity	56Gbps	
Packet Forwarding Rate	14880pps	@10Mbps
	148800pps	@100Mbps
	1488000pps	@1000Mbps
	14880000pps	@10Gbps
Transmission Method	Store and Forward Switching	
Packet Buffer	8M bits	
MAC Table Size	16K	
Jumbo Frame Size	10240 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, VLAN translation, GVRP (GARP VLAN registration protocol)	
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 group	
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+ AAA, HTTPs & SSH v2, IP/MAC binding, IP source guard & ARP inspection	
IP Multicasting	IGMP snooping v1/v2/v3, IGMP proxy, MLD snooping v1/v2, 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, Private MIB	
	DHCP client/snooping/relay option 82, TFTP/HTTP based firmware and configuration upgrade, Port mirroring	
	RSPAN, Event syslog server, DNS client/proxy, NTPv4 client, UPnP, IPv4/IPv6 management, SFF-8472 DDMI	
	IEEE 802.1ab LLDP, Text based CLI configuration download and upload, Dying gasp in SNMP trap message	
Power Input	100~240VAC ; 18~72VDC	
Power Consumption	12.65 Watts Max.	
Operating Temperature	0~50°C	
Storage Temperature	-25~70°C	
Humidity	5%~95% (non-condensing)	
Dimension	250 × 117 × 43.8 mm (W×D×H)	
Certification	CE, FCC class A	

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Application

Fiber Ethernet Network

NoteBook

QSW-4204M

IP Phone

IPSTB

TV

Internet

PSTN

Softswitch

Voice Trunking Gateway

Video Server

NMS

10G Access Switch

10G Access Switch

B1 Electric Room

GSW-4208CM
MDUs (Multiple Dwelling Units)

— FIBER   ···· E1
— Cat5 / 6   — RJ-11

Ordering Information

Model Name	Description
GSW-4208CM-AC	8 × GbE RJ45 + 2 × 1G/10G SFP+ Slots Managed Ethernet Switch with Single AC Power Supply
GSW-4208CM-DC	8 × GbE RJ45 + 2 × 1G/10G SFP+ Slots Managed Ethernet Switch with Single DC Power Supply (-48V)
GSW-4208CM-AA	8 × GbE RJ45 + 2 × 1G/10G SFP+ Slots Managed Ethernet Switch with Dual AC Power Supply
GSW-4208CM-DD	8 × GbE RJ45 + 2 × 1G/10G SFP+ Slots Managed Ethernet Switch with Dual DC Power Supply (-48V)
GSW-4208CM-AD	8 × GbE RJ45 + 2 × 1G/10G SFP+ Slots Managed Ethernet Switch with AC + DC Power Supply

Optional Accessory

▪ **10G SFP+ Transceiver Module**

Model Name	Description
SFM-1000-SR85	10G SFP+ SR/SW MMF 300m, 850nm VCSEL, 10G Ethernet/FC/SDH/SONET
SFS-1010-LR31	10G SFP+ LR/LW SMF 10km, 1310nm DFB DML, 10G Ethernet/FC/SDH/SONET
SFS-1040-ER55	10G SFP+ ER/EW SMF 40km, 1550nm DFB EML, 10G Ethernet/FC/SDH/SONET
SFS-1080-ZR55	10G SFP+ ZR/EW SMF 80km, 1550nm DFB EML, 10G Ethernet/FC/SDH/SONET

▪ **Rack Mount Kit**

Model Name	Description
RMK07-SS	Rack Mounting Kits for GSW-4208CM/MSW-4204 Series Single Unit Chassis Mounting in 19" Rack
RMK07-DS	Rack Mounting Kits for GSW-4208CM/MSW-4204 Series Two Units Chassis Mounting in 19" Rack

RMK07-SS

RMK07-DS

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