L3 Lite Managed Ethernet Switch

GSW-4804CM

CTC union

48 × GbE/RJ45 + 4 × 1G/10G SFP+ L3 Lite Managed Ethernet Switch

NEW

The GSW-4804CM is the new generation of L3 lite managed Ethernet switch for FTTH and enterprise network application. It is equipped with 48 10/100/1000Base-T RJ45 port and 4 1G/10G SFP+ slot for uplink ports. When it is considered for FTTH deployment, the GSW-4804CM can be installed in the basement of apartment building as a MDU (Multi Dwelling Unit) to provision tuple play service up to Gigabit speed for residential users. It is also ideal for access network deployment of SMB, enterprise and campus scenarios.

The GSW-4804CM is featured completely L2 switch functionality which guarantees high network availability, robust network access and security as well as comprehensive QoS in the network edge. It will deliver the benefits of optimal traffic transportation performance and lower ownership cost while maintaining the network deployment simply.

Features

- IPv6 management
- 8 priority ques are supported on each port for QoS application
- Port-based VLAN, 802.1Q VLAN, Voice VLAN and Q-in-Q(double tagging) function
- Protected Port and Loop Detection function
- IEEE 802.1x security function, and VLAN assignment, Guest VLAN functions
- Static Mac address access limit and Dynamic Mac address number on port
- IEE802.1D/802.1W/802.1s
- DHCP Client/DHCP Option 82 Relay/DHCP Snooping function

- ACL function for L2~L4 packet control, Ingress/Egress rate control on port
- IP Multicast with IGMP snooping/query/fast leave/filtering/group limited/MVR
- Broadcast/Multicast/Unknown Unicast storm control
- ARP inspection/IP source guard
- RMON 1,2,3,9
- SFP Transceiver DDMI function
- Remote port configuration setting and statistics monitoring
- Text based CLI configuration download and upload
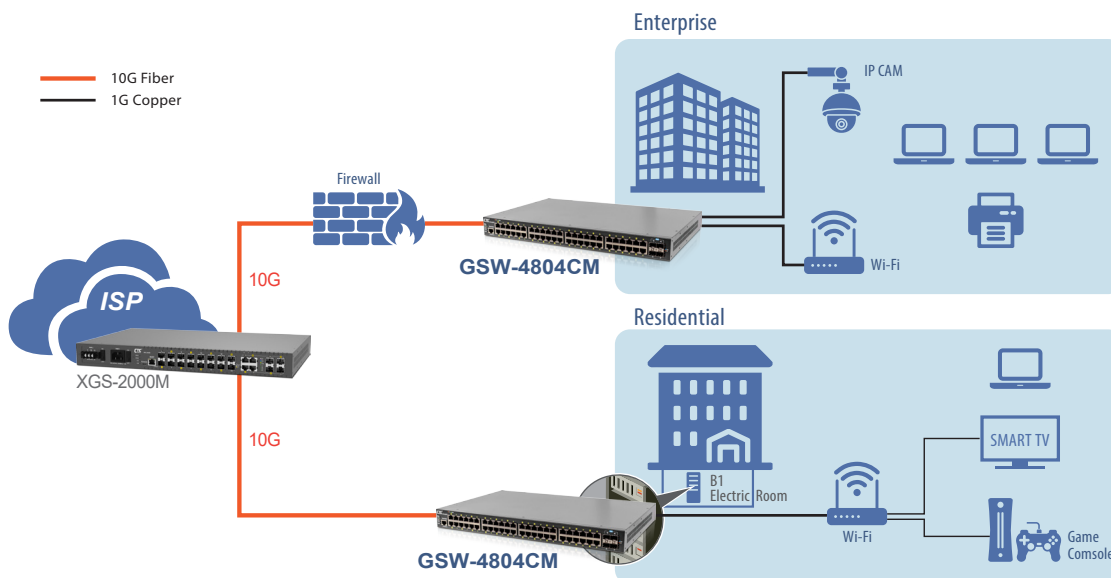- IEEE 802.3az power management/Green Ethernet

Specifications

Interface	Fiber port: 4x 1G/10Gbps SFP+ uplink	
	Copper port: 48x 10/100/1000Base-T RJ45	
Switching Fabric Capacity	176Gbps	
Packet Forwarding Rate	14880pps	@10Mbps
	148800pps	@100Mbps
	1488000pps	@1000Mbps
	14880000pps	@10Gbps
Packet Forwarding Capacity	132Mpps	
Transmission Method	Store and Forward Switching	
Packet Buffer	32M bits	
MAC Table Size	32K	
Jumbo Frame Size	10K 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, 26 LACP trunk groups Max, 8 port Max. per LACP trunk group	
L2 Switching Protection	Hard wired IEEE 802.1p 8 priority queues per port	

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QoS Feature	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 / per queue based ingress policing and egress shaping
	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
	512 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, IGMP proxy, MLD snooping v1/v2, IGMP fast leave
	IGMP query, IGMP filtering/throttling, MVR (Multicast VLAN Registration)
L3 Routing	Static route, RIP v1/v2, OSPF v1/v2/v3, VRRP
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, SNTP client, UPnP
	IPv4/IPv6 management, SFF-8472 DDMI, IEEE 802.1ab LLDP
Power Input	AC power input (100~240V) ; -36 ~ -72 DC power input
Power Consumption	<52W
LED	System: Power 1 (Green), Power 2 (Green), Act /Alarm (Green/Amber)
	P1~48
	UTP: 10/100 Link/Active (Green), 1000 Link/Active (Amber)
	P49~52
	SFP+ Slot: Link/Active (Amber), 10GBase-X Link/Active (Blue)
Operating Temperature	0~50°C
Storage Temperature	-25~70°C
Humidity	5%~90% (non-condensing)
Dimension	440 × 330 × 43.5 mm (W × D × H)
Installation Mounting	19" rack mount
Certification	CE, FCC class A

Application

Ordering Information

Model Name	Description
GSW-4804CM-AC	48 x 10/100/1000Base-T RJ45+4 x 1G/10G SFP+ slots L3 lite Managed Ethernet Switch with single AC power supply
GSW-4804CM-DC	48 x 10/100/1000Base-T RJ45+4 x 1G/10G SFP+ slots L3 lite Managed Ethernet Switch with single DC power supply (-48V)
GSW-4804CM-AA	8 x 10/100/1000Base-T RJ45+4 x 1G/10G SFP+ slots L3 lite Managed Ethernet Switch with 2 x AC power supply
GSW-4804CM-DD	48 x 10/100/1000Base-T RJ45+4 x 1G/10G SFP+ slots L3 lite Managed Ethernet Switch with 2 x DC power supply (-48V)
GSW-4804CM-AD	48 x 10/100/1000Base-T RJ45+4 x 1G/10G SFP+ slots L3 lite Managed Ethernet Switch with AC + DC power supply

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