

## L3 Lite Managed Ethernet Switch

# GSW-4804CM

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



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

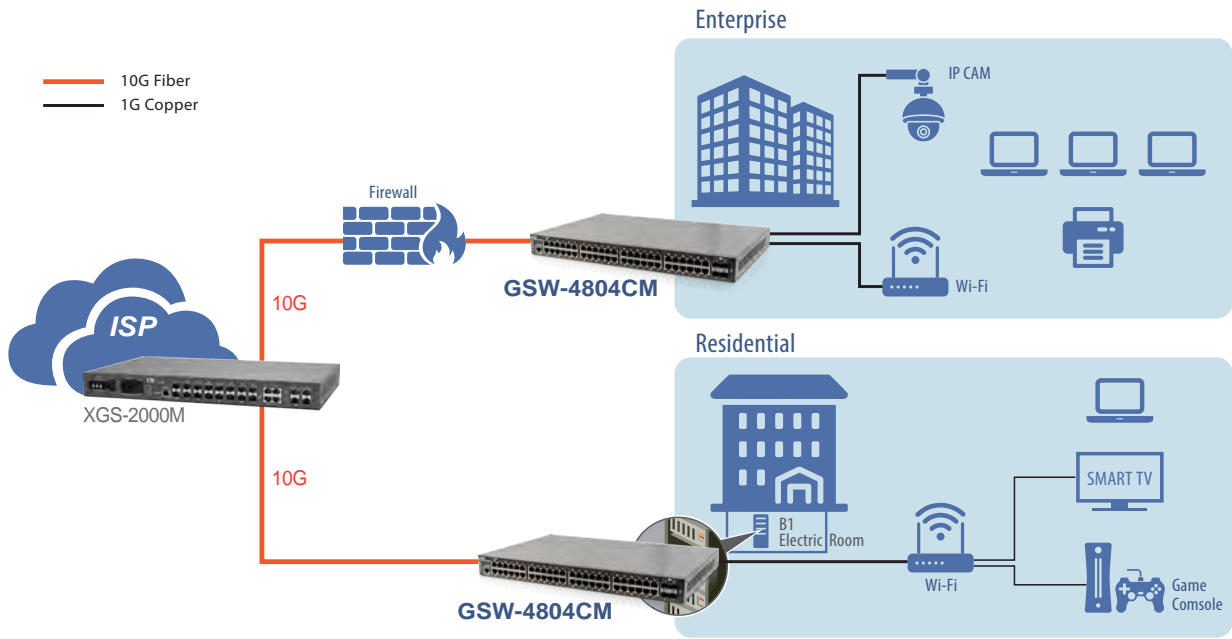
- IPv6 management
- 8 priority queues are supported on each port for QoS application
- Port-based VLAN, 802.1Q VLAN, Voice VLAN and Q-in-Q(double tagging) function
- Protected Port and Loop Detection function
- IEEE 802.1x security function, and VLAN assignment, Guest VLAN functions
- Static Mac address access limit and Dynamic Mac address number on port
- IEEE802.1d & 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

<b>Interface</b>	Fiber port: 4x 1G/10Gbps SFP+ uplink Copper port: 48x 10/100/1000Base-T RJ45
<b>Switching Fabric Capacity</b>	176Gbps
<b>Packet Forwarding Rate</b>	14880pps @10Mbps 148800pps @100Mbps 1488000pps @1000Mbps 14880000pps @10Gbps
<b>Packet Forwarding Capacity</b>	132Mpps
<b>Transmission Method</b>	Store and Forward Switching
<b>Packet Buffer</b>	32M bits
<b>MAC Table Size</b>	32K
<b>Jumbo Frame Size</b>	10K Bytes
<b>VLAN Feature</b>	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)
<b>Link Aggregation</b>	Static trunk (SA, DA, IP, TCP/UDP port), IEEE 802.3ad LACP, 26 LACP trunk groups Max, 8 port Max. per LACP trunk group
<b>L2 Switching Protection</b>	STP, RSTP, MSTP, ITU-T G.8032 ERPS, Loop Protection

<b>QoS Feature</b>	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 / per queue based ingress policing and egress shaping IEEE 802.3x flow control Multicast/Broadcast/Unicast storm control with flooding control
<b>Security</b>	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
<b>IP Multicasting</b>	IGMP snooping v1/v2/v3, IGMP proxy, MLD snooping v1/v2, IGMP fast leave IGMP query, IGMP filtering/throttling, MVR (Multicast VLAN Registration)
<b>L3 Routing Management</b>	Static route, RIP v1/v2, OSPF v2/v3, VRRP 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, DNS client/proxy, NTP client, UPnP IPv4/IPv6 management, SFF-8472 DDMI, IEEE 802.1ab LLDP
<b>Power Input</b>	AC power input (100~240V) ; -36 ~ -72 DC power input
<b>Operating Temperature</b>	0~50°C
<b>Storage Temperature</b>	-25~70°C
<b>Humidity</b>	5%~90% (non-condensing)
<b>Dimension</b>	440 × 330 × 43.5 mm (W × D × H)
<b>Certification</b>	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