

L2+ Managed 10G Ethernet Switch

XGS-1208M

**8 × GbE RJ45 + 12 × 10G SFP+
L2+ Managed 10G Ethernet Switch**



With anticipating AI-driven applications era is coming in the near future, every kind of appliance will be triggered to internet ready capability as it is aimed at the smart device. No matter that the enterprise or mission-oriented park such as hospital, manufacturing or campus etc. as well as SMB, they all have to keep the room and flexibility to expand the network capacity for increasing traffic from server, wireless access and IoT gears.

When XGS-1208M is adopted in the access network deployment, it offers up to 12 10G fiber ports for highly extendable and easy installation features. It also can be used as the network expansion as connecting to the 10G fiber aggregation layer network. The business or telecom service provider can leverage XGS-1208M to provision 10Gbps speed migrated backbone network for multiple access and fulfilling versatile application scenarios.

The XGS-1208M is featured robust L2 switching functionality such as VLAN, port trunking, QoS, span tree protocol and IGMP multicast service. The hard-wired based ACL enabled the secured network access and traffic transportation as network administrator desired to reduce the risks of unauthorized or illegal intruders. The diversified management interfaces via Web GUI, Telnet and SNMP offer friendly and ease-to-use as well as secured remotely management in traffic encrypted or isolated. Also, the adaptive fan speed control design delivers the noise suppression operation as silent as possible by detecting the traffic load in real time.

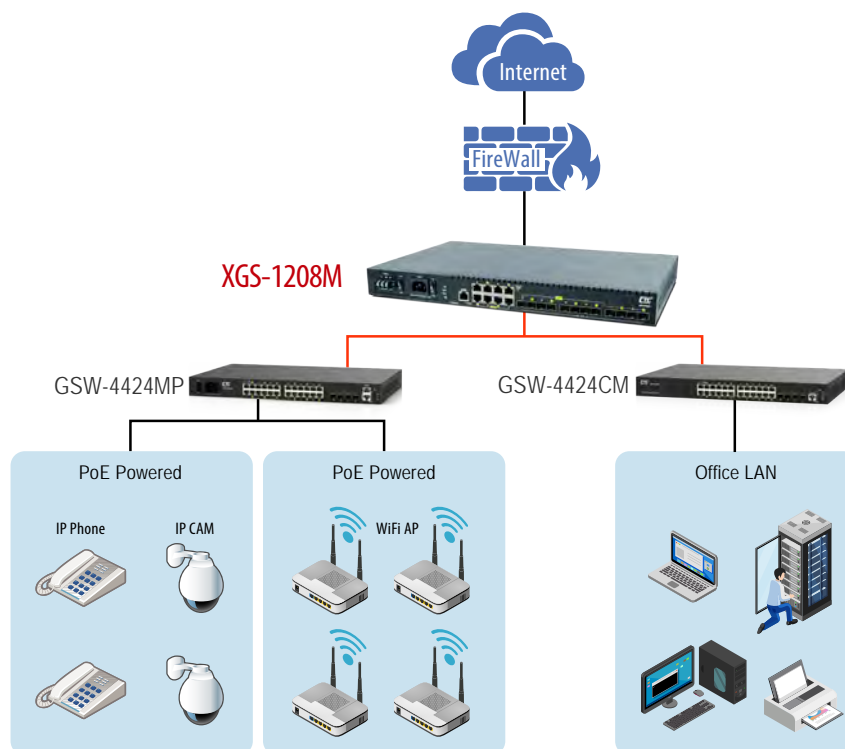
Specifications

| | |
|----------------------------------|--|
| Interface | Fiber port: 12x 10G SFP+ Copper port: 8x 10/100/1000Base-T RJ45 Console port: RS-232 in USB type C |
| Packet Forwarding Rate | 14880pps @10Mbps 148800pps @100Mbps 1488000pps @1000Mbps 14880000pps @10Gbps |
| Switching Fabric Capacity | 256Gbps |
| 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 |
| Link Aggregation | Static trunk (SA, DA, IP, TCP/UDP port) IEEE 802.3ad LACP, IEEE 802.1AX, 8 port Max. per LACP trunk group; 10 LACP trunk groups Max |
| 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, IEEE 802.1Qbb priority based full-duplex 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+ 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 DHCP client/snooping/relay option 82, TFTP/HTTP based firmware and configuration upgrade Port mirroring, RSPAN, Event syslog server, DNS client/proxy, NTP client, UPnP IPv4/IPv6 management, SFF-8472 DDMI, IEEE 802.1ab LLDP |
| Power Input | 100~240VAC ; 36~60VDC |
| Power Consumption | 38.4 Watts Max. |
| Operating Temperature | 0~50 °C |
| Storage Temperature | -25~70 °C |
| Humidity | 5%~95% (non-condensing) |
| Dimension | 440 × 280 × 43.5 mm (W×D×H) |
| Certification | CE, FCC class A |

Application

10G Managed Ethernet Switch



Ordering Information

| Model Name | Description |
|--------------|---|
| XGS-1208M-AC | 8 × GbE RJ45 + 12 × 10G SFP+ Slots Managed Ethernet Switch with Single AC Power Supply |
| XGS-1208M-DC | 8 × GbE RJ45 + 12 × 10G SFP+ Slots Managed Ethernet Switch with Single DC Power Supply (-48V) |
| XGS-1208M-AA | 8 × GbE RJ45 + 12 × 10G SFP+ Slots Managed Ethernet Switch with Dual AC Power Supply |
| XGS-1208M-DD | 8 × GbE RJ45 + 12 × 10G SFP+ Slots Managed Ethernet Switch with Dual DC power Supply (-48V) |
| XGS-1208M-AD | 8 × GbE RJ45 + 12 × 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 |