



GSW-4424CM

24 × GbE/RJ45 + 4 × 1G/10G SFP+
L2+ Managed Ethernet Switch

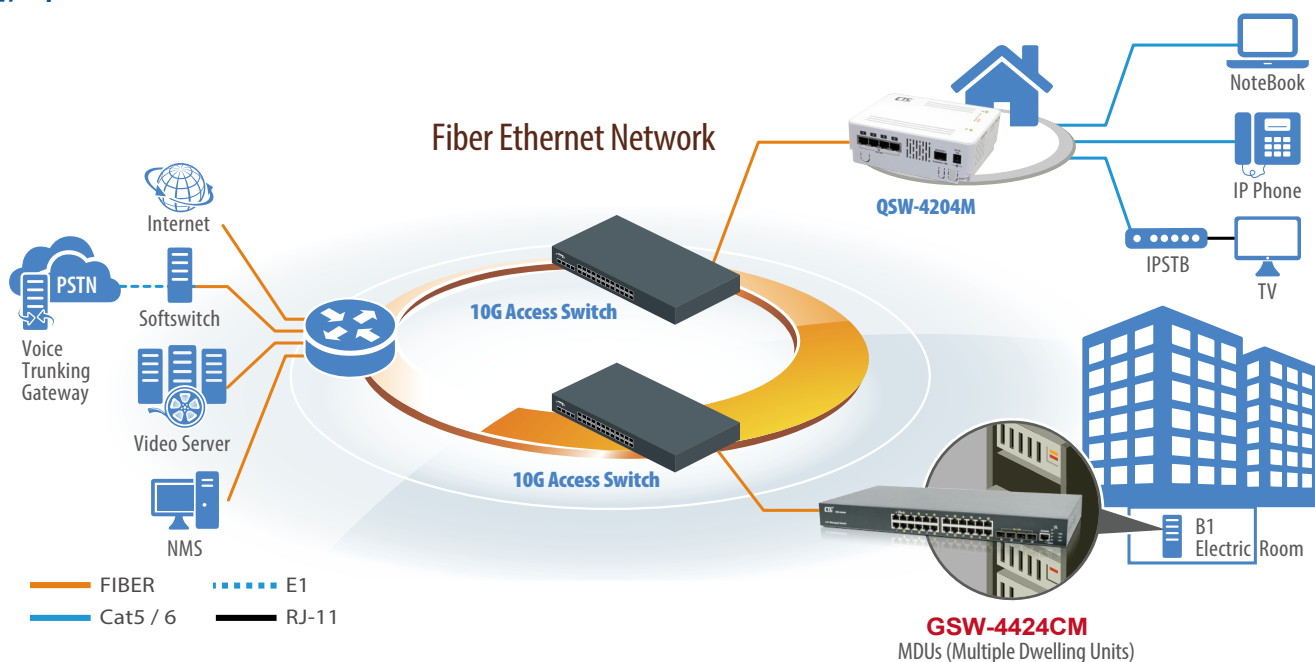
The new generation L2+ managed Ethernet switch, GSW-4424CM, is designed for FTTH and enterprise network application. The 10G uplink ports relieve the insufficiency of Gigabit links for new demanding bandwidth consumption applications such as 4K UHD video streaming, WiFi-6 network and cloud service access in the enterprise and SMB network.

The GSW-4424CM is equipped with 24 Gigabit RJ45 ports and 4 1G/10G SFP+ based fiber optics ports. It 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.

// Specifications

Interface	Copper port: 10/100/1000Base-T RJ45 × 24 Uplink port: 1000Base-X/10GBase-X SFP+ slot × 4 Console port: RS-232 in RJ45 × 1
Switching Fabric Capacity	136Gbps
Packet Forwarding Rate	14880pps @10Mbps 148800pps @100Mbps 1488000pps @1000Mbps 14880000pps @10Gbps
Packet Forwarding Capacity	102Mpps
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, 14 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 reporting; 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
Power Input	AC power input (100~240V) ; -36~-72VDC
Operating Temperature	0~50°C
Storage Temperature	-25~70°C
Humidity	5%~95% (non-condensing)
Dimension	440 × 250 × 43.5 mm (WxDxH)
Certification	CE, FCC class A

// Specifications



// Ordering Information

Model Name	Description
GSW-4424CM-AC	24 × 10/100/1000Base-T RJ45 + 4 × 1G/10G SFP+ slots Managed Ethernet Switch with single AC Power Supply
GSW-4424CM-DC	24 × 10/100/1000Base-T RJ45 + 4 × 1G/10G SFP+ slots Managed Ethernet Switch with single DC Power Supply (-48V)
GSW-4424CM-AA	24 × 10/100/1000Base-T RJ45 + 4 × 1G/10G SFP+ slots Managed Ethernet Switch with 2 × AC Power Supply
GSW-4424CM-DD	24 × 10/100/1000Base-T RJ45 + 4 × 1G/10G SFP+ slots Managed Ethernet Switch with 2 × DC Power Supply (-48V)
GSW-4424CM-AD	24 × 10/100/1000Base-T RJ45 + 4 × 1G/10G SFP+ slots Managed Ethernet Switch with AC + DC Power Supply