

NEW


GSW-4424CM

24x GbE/RJ45 + 4x 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.

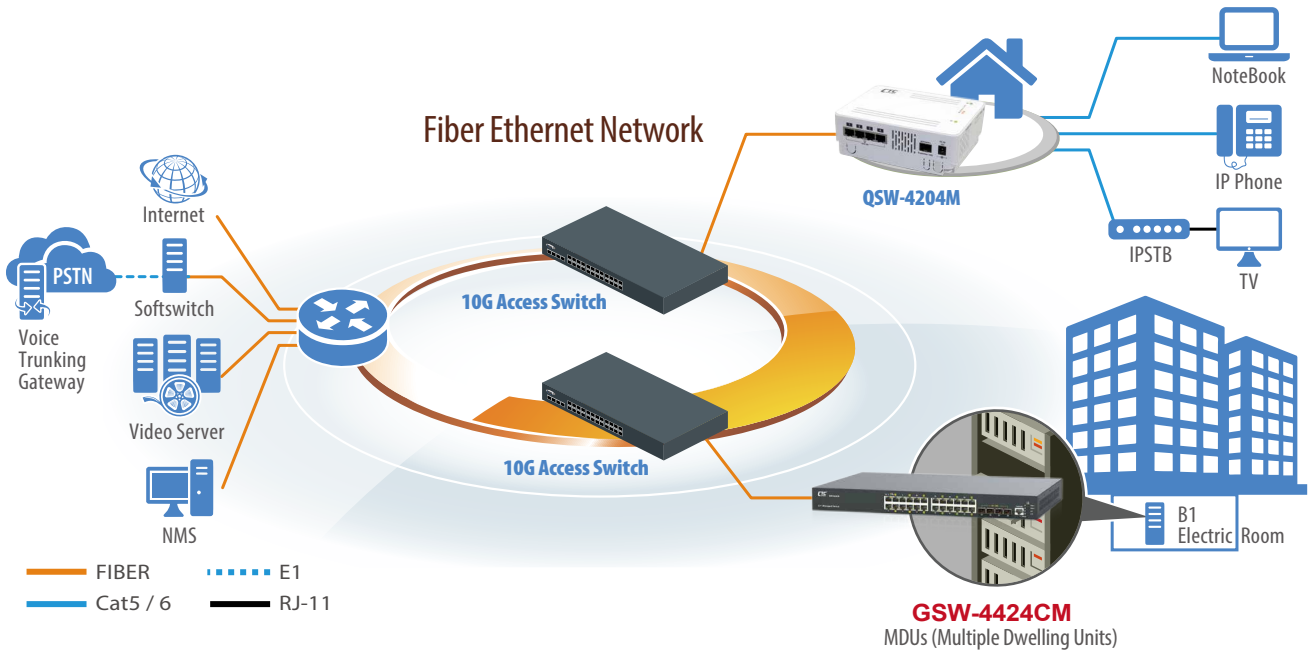
Features

- 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 policing
- 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: 1G/10Gbps SFP+ uplink * 4 Copper port: 10/100/1000Base-T RJ45 * 24 Console port: RS-232 in RJ45 * 1	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
Switching Fabric capacity	128Gbps	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)
Packet forwarding rate	14880pps @10Mbps 148800pps @100Mbps 1488000pps @1000Mbps 14880000pps @10Gbps	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 configuration download and upload
Packet forwarding capacity	102Mpps	Power input	AC power input (100~240V) ; -36 ~ -72 DC power input
Transmission method	Store and Forward Switching	Power consumption	< 60W
Packet buffer	32M bits	Operating temperature	0~50°C
MAC table size	32K	Storage temperature	-25~70°C
Jumbo frame size	10K Bytes	Humidity	5%~95% (non-condensing)
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)	Dimension	440 x 250 x 43.5 mm (W x D x H)
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	Certification	CE, FCC class A
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		

Application



Ordering Information

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