

**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.

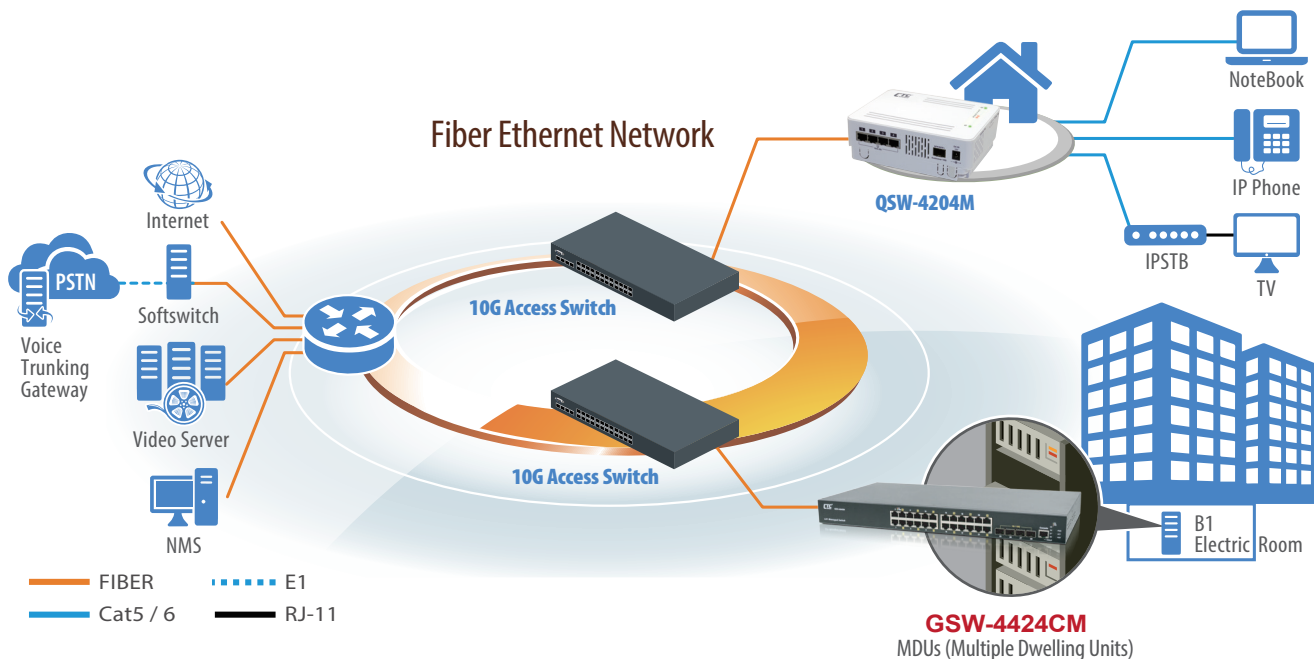
**Specifications**

<b>Interface</b>	Copper port: 24x 10/100/1000Base-T RJ45	
	Uplink port: 4x 1000Base-X/10GBase-X SFP+ slot	
	Console port: 1x RS-232 in RJ45	
<b>Switching Fabric Capacity</b>	128Gbps	
<b>Packet Forwarding Rate</b>	14880pps	@10Mbps
	148800pps	@100Mbps
	1488000pps	@1000Mbps
	14880000pps	@10Gbps
<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, 14 LACP trunk groups Max; 8 port Max. per LACP trunk group	
<b>L2 Switching Protection</b>	IEEE 802.1D STP/IEEE 802.1w RSTP/IEEE 802.1s MSTP, 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/queue based ingress/egress rate limit in steps of 100kbps, IEEE 802.3x flow control	
<b>Security</b>	Multicast/Broadcast/Unicast storm control with flooding control	
	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	
<b>IP Multicasting</b>	IP/MAC binding, IP source guard & ARP inspection	
	IGMP snooping v1/v2/v3, IGMP proxy, MLD snooping v1/v2, IGMP fast leave	
<b>Management</b>	IGMP query, IGMP filtering/throttling, MVR (Multicast VLAN Registration)	
	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	

## L2+ Managed Ethernet Switch

<b>Power Input</b>	100~240VAC ; 36~72VDC
<b>Power Consumption</b>	35.45 Watts Max.
<b>Operating Temperature</b>	0~50°C
<b>Storage Temperature</b>	-25~70°C
<b>Humidity</b>	5%~95% (non-condensing)
<b>Dimension</b>	440 × 250 × 43.5 mm (WxDxH)
<b>Certification</b>	CE, FCC class A

### Application



### 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 Dual AC Power Supply
GSW-4424CM-DD	24 × 10/100/1000Base-T RJ45 + 4 × 1G/10G SFP+ Slots Managed Ethernet Switch with Dual 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

### 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