

Model								
Specification	GSW-4424CFM	GSW-3424FM	GSW-3424M1	GSW-3208M2	GSW-2008MS	GSW-1005MS	GSW-3216MP	GSW-3208MP
<b>HW interface</b>								
Uplink port	10GBase-X/1000Base-X SFP Slot x 4	10GBase-X/1000Base-X SFP Slot x 4	GbE combo port x 4	100/1000Base-X x 2	100/1000Base-X x 2	100/1000Base-X x 1	100/1000Base-X x 2	100/1000Base-X x 2
Service LAN port	100/1000Base-X SFP x 20 + GbE Combo port x 4	100/1000Base-X SFP slot x 24 + 10/100/1000Base-T RJ45 x 4	10/100/1000Base-T RJ45 x 20	10/100/1000Base-T RJ45 x 8	10/100/1000Base-T RJ45 x 8	10/100/1000Base-T RJ45 x 5	10/100/1000Base-T RJ45 x 8	10/100/1000Base-T RJ45 x 8
Console port	RJ45 x 1 (RS-232)	RJ45 x 1 (RS-232)	RS-232 DB9 x 1	RS-232 DB9 x 1			RS-232 DB9 x 1	RS-232 DB9 x 1
<b>HW specification &amp; performance</b>								
Power module	AC power: 100 ~ 240VAC DC power: 36 ~ 60VDC (48V)	AC power: 100 ~ 240VAC DC power: 36 ~ 60VDC (48V)	AC power: 100 ~ 240VAC	AC power: 100 ~ 240VAC or DC power: 18 ~ 72VDC (48V)	DC in: 12V, 1A	DC in: 12V, 1A	AC: 100 ~ 240VAC	AC: 100 ~ 240VAC
Power supply type	Dual power & built-in	Dual power & built-in	Build-in single power	Build-in single power (Optionally support dual power)	External power adaptor	External power adaptor	Single power & build-in	Single power & build-in
Switching fabric capacity	128Gbps	136Gbps	48Gbps	20Gbps	20Gbps	12Gbps	36Gbps	36Gbps
Packet buffer	32M bits	32M bits	4M bits	4M bits	4M bits	4M bits	4M bits	4M bits
MAC address table size	32K	32K	8K	8K	8K	8K	8K	8K
Jumbo frame size	10K Bytes	10K Bytes	9.6K Bytes	9.6K Bytes	9.6K Bytes	9.6K Bytes	9.6K Bytes	9.6K Bytes
IEEE 802.3af/802.3at PoE/PSE compliance							V	V
PoE power budget							150 W	150 W
<b>PoE feature</b>								
Dynamic power allocation							V	V
Auto disable after exceeding power budget							V	V
Total PoE power budget control							V	V
Per port PoE function enable/disable							V	V
PoE port power priority							V	V
Per PoE port power limit							V	V
PD classification detection							V	V
IEEE 802.3af/802.3at PoE/PSE compliance							V	V
<b>Layer 2 feature</b>								
Flow control	IEEE 802.3x for full duplex mode	V	V	V	V	V	V	V
	Back pressure for half duplex mode	V	V	V	V	V	V	V
	VLAN Group	4K	4K	4K	4K	4K	4K	4K
	VLAN ID	1 ~ 4094	1 ~ 4094	1 ~ 4094	1 ~ 4094	1 ~ 4094	1 ~ 4094	1 ~ 4094
	IEEE 802.1Q tagged VLAN	V	V	V	V	V	V	V
	MAC based VLAN	V	V	V	V	V	V	V
	IEEE 802.1v Protocol & subnet based VLAN	V	V	V	V	V	V	V
	IEEE 802.1ad Q-in-Q	V	V	V	V	V	V	V
	Q-in-Q TPID selectable	V	V	V	V	V	V	V
	Voice VLAN	V	V	V	V	V	V	V
VLAN	Private VLAN	V	V	V	V	V	V	V
	VLAN translation	V	V	V	V	V	V	V
	GVRP	V	V	V	V	V	V	V
	Static Trunk (SA, DA, IP, TCP/UDP port)	V	V	V	V	V	V	V
	Max. trunk No. (LACP)	14	16	12	5	5	9	5
	Port No. per (LACP)	8 Max.	8 Max.	8 Max.	8 Max.	8 Max.	8 Max.	8 Max.
	802.1D STP	V	V	V	V	V	V	V
	802.1w RSTP	V	V	V	V	V	V	V
	802.1s MSTP	V	V	V	V	V	V	V
	Loop protection	V	V	V	V	V	V	V
<b>QoS feature</b>								
Priority Queues	8	8	8	8	8	8	8	8
Traffic scheduling	WRR priority scheduling	V	V	V	V	V	V	V
	Strict priority scheduling	V	V	V	V	V	V	V
	Hybrid	V	V	V	V	V	V	V
Traffic classification	802.1p based COS	V	V	V	V	V	V	V
	IP Precedence based COS	V	V	V	V	V	V	V
	IP DSCP based COS	V	V	V	V	V	V	V
Two rate three color markers	Ingress traffic policing	V	V	V	V	V	V	V
	Egress traffic shaping	V	V	V	V	V	V	V
	Marking/remarking	V	V	V	V	V	V	V
Rate limiting	Ingress	Per port based	Per port based	Per port based	Per port based	Per port based	Per port based	Per port based
	Egress	Per port based / Per queue based	Per port based / Per queue based	Per port based / Per queue based	Per port based / Per queue based	Per port based / Per queue based	Per port based / Per queue based	Per port based / Per queue based
Diffserv remarking (RFC2474)	V	V	V	V	V	V	V	V
<b>IP Multicasting</b>								
Two rate three color markers	IGMP Snooping v1/v2/v3	V	V	V	V	V	V	V
	IGMP filtering/throttling	V	V	V	V	V	V	V
	IGMP Fast Leave	V	V	V	V	V	V	V
	IGMP query	V	V	V	V	V	V	V
	IGMP proxy reporting	V	V	V	V	V	V	V
	MLD snooping v1/v2	MLD snooping v1 only	MLD snooping v1 only	MLD snooping v1 only	MLD snooping v1 only	MLD snooping v1 only	MLD snooping v1 only	MLD snooping v1 only
MVR (Multicast VLAN Registration)	V	V	V	V	V	V	V	
<b>Security features</b>								
Static Port Security (MAC-based)	V	V	V	V	V	V	V	V
Per port limited MAC learning	V	V	V	V	V	V	V	V
IEEE 802.1X	Port-Based	V	V	V	V	V	V	V
	MAC-Based	V	V	V	V	V	V	V
	Dynamic VLAN Assignment	V	V	V	V	V	V	V
	QoS Assignment (w/o ACL profile)	V	V	V	V	V	V	V
	QoS assignment w/ ACL profile	V	V	V	V	V	V	V
ACL	Number of rules	256	256	256	256	256	256	256
	L2/L3/L4	V	V	V	V	V	V	V
RADIUS authentication	V	V	V	V	V	V	V	V
RADIUS authentication & accounting	V	V	V	V	V	V	V	V
TACACS+ authentication	V	V	V	V	V	V	V	V
HTTPS & SSL	V	V	V	V	V	V	V	V
SSH v2	V	V	V	V	V	V	V	V
User name password authentication	Local Authentication	V	V	V	V	V	V	V
	Remote Authentication via RADIUS/TACACS+	V	V	V	V	V	V	V
Management Interface Access Filtering	SNMP	V	V	V	V	V	V	V
	Web	V	V	V	V	V	V	V
	Telnet/SSH	V	V	V	V	V	V	V
<b>Management features</b>								
Cisco like CLI	V	V	V	V	V	V	V	V
Web based management	V	V	V	V	V	V	V	V
Telnet Server	V	V	V	V	V	V	V	V
SNMP v1/v2c/v3	V	V	V	V	V	V	V	V
SW & configuration upgrade	TFTP	V	V	V	V	V	V	V
	HTTP	V	V	V	V	V	V	V
RMON	RMON 1 (1,2,3,9 group)	V	V	V	V	V	V	V
MIB II	RFC 1213	V	V	V	V	V	V	V
DHCP	Client	V	V	V	V	V	V	V
	Relay snooping	V	V	V	V	V	V	V
	relay option 82	V	V	V	V	V	V	V
IP Source Guard	V	V	V	V	V	V	V	
Port mirroring	V	V	V	V	V	V	V	
Event Syslog	Syslog server (RFC3164)	Support 1 server	Support 1 server	Support 1 server	Support 1 server	Support 1 server	Support 1 server	Support 1 server
	Client Proxy	V	V	V	V	V	V	V
DNS	V	V	V	V	V	V	V	
NTP	V	V	V	V	V	V	V	
LLDP (IEEE 802.1ab)	Link Layer Discovery Protocol	V	V	V	V	V	V	V
	LLDP-MED	V	V	V	V	V	V	V
UPnP	V	V	V	V	V	V	V	
sFlow	V	V	V	V	V	V	V	
IPv6 Management (Telnet Server/ICMP v6)	V	V	V	V	V	V	V	
Dying gasp in trap message	V	V	V	V	V	V	V	
SFF-8472 DDMI	V	V	V	V	V	V	V	
DHCP auto provisioning	V	V	V	V	V	V	V	
<b>Others</b>								
Dimension	250 x 440 x 43.5 mm	250 x 440 x 43.5 mm	204 x 330 x 44 mm	250 x 117 x 43.8 mm	170 x 120 x 35 mm	170 x 120 x 35 mm	330 x 204 x 44 mm	330 x 204 x 44 mm
Operating temperature	0 ~ 50 degree C	0 ~ 50 degree C	0 ~ 50 degree C	0 ~ 50 degree C	0 ~ 50 degree C	0 ~ 50 degree C	0 ~ 50 degree C	0 ~ 50 degree C
Operating humidity	5% ~ 90% (non-condensing)	5% ~ 90% (non-condensing)	5% ~ 90% (non-condensing)	5% ~ 90% (non-condensing)	5% ~ 90% (non-condensing)	5% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)
Power consumption	< 60W	< 60W	< 18W	< 12W	8W Max.	7W Max.	150W Max.	150W Max.
Installation type	19" rack mounting	19" rack mounting	19" rack mounting	19" rack mounting	Wall mounting	Wall mounting	19" rack mounting	19" rack mounting
Cable tray option					V	V		