Ver. June 2022

Model / Specification	GSW-4448CM	GSW-4208CM	GSW-3424FM	GSW-3424M1A	GSW-3208M2
HW interface					
Uplink port	10GBase-X/1000Base-X SFP Slot x 4	10GBase-X/1000Base-X SFP Slot x 2	10GBase-X/1000Base-X SFP Slot x 4	1000Base-T SFP slot x 2	100/1000Base-X x 2
Service LAN port	100/1000Base-X SFP slot x 44 + 10/100/1000Base-T RJ45 x 4	10/100/1000Base-T RJ45 x 8	100/1000Base-X SFP slot x 24 + 10/100/1000Base-T RJ45 x 4	10/100/1000Base-T RJ45 x 20 + GbE combo port x 2	10/100/1000Base-T RJ45 x 8
Console port	RJ45 x 1 (RS-232)	RJ45 x 1 (RS-232)	RJ45 x 1 (RS-232)	RJ45 x 1 (RS-232)	RS-232 DB9 x 1
HW specification & performance					
Power module	"AC power : 100 ~ 240VAC DC power : 36 ~ 60VDC (48V)"	"AC power : 100 ~ 240VAC or DC power : 18 ~ 72VDC (48V)"	"AC power : 100 ~ 240VAC DC power : 36 ~ 60VDC (48V)"	AC power : 100 ~ 240VAC	"AC power : 100 ~ 240VAC or DC power : 18 ~ 72VDC (48V)"
Power supply type	Dual power & built-in	Dual power & built-in	Dual power & built-in	Build-in single power	"Build-in single power (Optionally support dual power)"
Switching fabric capacity	178Gbps	56Gbps	136Gbps	48Gbps	20Gbps
Packet buffer	32M bits	8M bits	32M bits	4M bits	4M bits
MAC address table size	32K	16K	32K	8K	8K
Jumbo frame size	10K Bytes	10240 Bytes	10K Bytes	9.6K Bytes	9.6K Bytes
Layer 2 feature					
Flow control — IEEE 802.3x for full duplex mode	✓	✓	✓	✓	✓
Flow control — Back pressure for half duplex mode	✓	✓	✓	✓	✓
VLAN — VLAN Group	4K	4K	4K	4K	4K
VLAN — VLAN ID	1 ~ 4094	1 ~ 4094	1 ~ 4094	1 ~ 4094	1 ~ 4094
VLAN — IEEE 802.1Q tagged VLAN	✓	✓	✓	✓	✓
VLAN — MAC based VLAN	✓	✓	✓		✓
VLAN — IEEE 802.1v Protocol & subnet based VLAN	✓	✓	✓		✓
VLAN — IEEE 802.1ad Q-in-Q	✓	✓	✓	✓	✓
VLAN — Q-in-Q TPID selectable	✓	✓	✓	✓	✓
VLAN — Voice VLAN	✓	✓	✓	✓	✓
VLAN — Private VLAN	✓	✓	✓	✓	✓
VLAN — VLAN translation	✓	✓	✓		✓
VLAN — GVRP	✓	✓	✓		
Aggregation — Static Trunk (SA, DA, IP, TCP/UDP port)	✓	✓	✓	✓	✓
Aggregation — Max. trunk No. (LACP)	26	5	16	12	5
Aggregation — Port No. per (LACP)	8 Max.	8 Max.	8 Max.	8 Max.	8 Max.
Spanning Tree — 802.1D STP	✓	✓	✓	✓	✓
Spanning Tree — 802.1w RSTP	✓	✓	✓	✓	✓
Spanning Tree — 802.1s MSTP	✓	✓	✓	✓	✓
Loop protection	✓	✓	✓	✓	✓
QoS feature					
Priority Queues	8	8	8	8	8
Traffic scheduling — WRR priority scheduling	✓	✓	✓	✓	✓
Traffic scheduling — Strict priority scheduling	✓	✓	✓	✓	✓
Traffic scheduling — Hybrid	✓	✓	✓	✓	✓
802.1p based COS	✓	✓	✓	✓	✓
IP Precedence based COS	✓	✓	✓	✓	✓
IP DSCP based COS	✓	✓	✓	✓	✓
Ingress traffic policing	✓	✓	✓	✓	✓
Egress traffic shaping	✓	✓	✓	✓	✓
Marking/remarking	✓	✓	✓	✓	✓
Rate limiting — Ingress	✓ Per port based/Per queue based	✓ Per port based/Per queue based	✓ Per port based/Per queue based	✓ Per port based	✓ Per port based/Per queue based
Rate limiting — 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
Diffserv remarking (RFC2474)	✓	✓	✓	✓	✓
IP Multicasting					
IGMP Snooping v1/v2/v3	✓	✓	✓	✓	✓
IGMP filtering/throttling	✓	✓	✓	✓	✓
IGMP Fast Leave	✓	✓	✓	✓	✓
IGMP guery	✓	✓	✓	✓	✓
IGMP proxy reporting	✓	✓	✓	✓	✓
MLD snooping v1/v2	✓	✓	✓	✓	✓
MVR (Multicast VLAN Registration)	✓	✓	✓	✓	✓
Static Port Security (MAC-based)	✓	✓	✓	✓	✓
Per port limited MAC learning	✓	✓	✓	✓	✓
IEEE 802.1X — Port-Based	✓	✓	✓	✓	✓
IEEE 802.1X — MAC-Based	✓	✓	✓	✓	✓
IEEE 802.1X — Dynamic VLAN Assignment	✓	✓	✓	✓	✓
IEEE 802.1X — QoS Assignment (w/o ACL profile)	✓	✓	✓	✓	✓
IEEE 802.1X — QoS assignment w/ ACL profile	✓	✓	✓	✓	✓
IEEE 802.1X — Guest VLAN / Voice VLAN	✓	✓	✓	✓	✓
ACL — Number of rules	512	256	256	256	256
ACL — L2/L3/L4	✓	✓	✓	✓	✓
RADIUS authentication	✓	✓	✓	✓	✓
RADIUS authentication & accounting	✓	✓	✓	✓	✓
TACACS+ authentication	✓	✓	✓	✓	✓
HTTPS & SSL	✓	✓	✓	✓	✓
SSH v2	✓	✓	✓	✓	✓
User name password authentication — Local Authentication	✓	✓	✓	✓	✓
User name password authentication — Remote Authentication	✓	✓	✓	✓	✓
User name password authentication — via RADIUS/TACACS+	✓	✓	✓	✓	✓
Management Interface Access Filtering — SNMP	✓	✓	✓	✓	✓
Management Interface Access Filtering — Web	✓	✓	✓	✓	✓
Management Interface Access Filtering — Telnet/SSH	✓	✓	✓	✓	✓
Management features					
Cisco like CLI	✓	✓	✓	✓	✓
Web based management	✓	✓	✓	✓	✓
Telnet Server	✓	✓	✓	✓	✓
SNMP v1/v2c/v3	✓	✓	✓	✓	✓
SW & configuration upgrade — TFTP	✓	✓	✓	✓	✓
SW & configuration upgrade — HTTP	✓	✓	✓	✓	✓
RMON — RMON I (1,2,3,9 group)	✓	✓	✓	✓	✓
MIB II — RFC 1213	✓	✓	✓	✓	✓
DHCP — Client	✓	✓	✓	✓	✓
DHCP — Relay	✓	✓	✓	✓	✓
DHCP — snooping	✓	✓	✓	✓	✓
DHCP — relay option 82	✓	✓	✓	✓	✓
IP Source Guard	✓	✓	✓	✓	✓
Port mirroring	✓	✓	✓	✓	✓
RSPAN (remote mirroring)	✓		✓		
Event Syslog — Syslog server (RFC3164)	✓ Support 1 server	Support 1 server	Support 1 server	Support 1 server	Support 1 server
DNS — Client	✓	✓	✓	✓	✓
DNS — Proxy	✓	✓	✓	✓	✓
NTP	✓	✓	✓	✓	✓
LLDP(IEEE 802.1ab) — Link Layer Discovery Protocol	✓	✓	✓	✓	✓
LLDP(IEEE 802.1ab) — LLDP-MED	✓	✓	✓	✓	✓
UPnP	✓	✓	✓	✓	✓
sFlow	✓	✓		✓	✓
IPv6 Management (Telnet Server/ICMP v6)	✓		✓	✓	
Dying gasp in trap message	✓				✓
SFF-8472 DDMI	✓	✓	✓	✓	✓
DHCP auto provisioning	✓	✓	✓	✓	✓
Others					
Dimension	440 x 220 x 43.5 mm	215 x 190 x 44 mm	250 x 440 x 43.5 mm	204 x 330 x 44 mm	250 x 117 x 43.8 mm
Operating temperature	0 ~ 50 degree C	0 ~ 50 degree C	0 ~ 50 degree C	0 ~ 50 degree C	0 ~ 50 degree C
Operating humidity	10% ~ 90% (non-condensing)	5% ~ 95% (non-condensing)	5% ~ 90% (non-condensing)	5% ~ 90% (non-condensing)	5% ~ 90% (non-condensing)
Power comsumption	< 100W	< 15W	< 60W	< 18W	< 12W
Installation type	19" rack mounting	19" rack mounting or wallmount	19" rack mounting	19" rack mounting	19" rack mounting