GSW-3424MP

24 × GbE/RJ45 + 4 × 1G SFP with 24 × PoE+ (450W) L2+ Managed Ethernet Switch

The high-density version of managed power over Ethernet switch in best cost performance ratio, GSW-3424MP, is designed for SMB and enterprise network application. Each Ethernet copper port complies with IEEE 802.3at standard to supply 30W power injection maximum.

The GSW-3424MP is equipped with 24 × Gigabit RJ45 ports and 4 × 1G SFP based fiber optics ports. It is featured completely L2+ switch functionality which guarantees high network availability, secured robust network access and comprehensive QoS in the network edge. Also, the GSW-3424MP can be managed by CTC in-house developed Smartview EMS, which offers a user-friendly and centralized device management platform. It makes the administrators be able to monitor and configure the switches remotely.
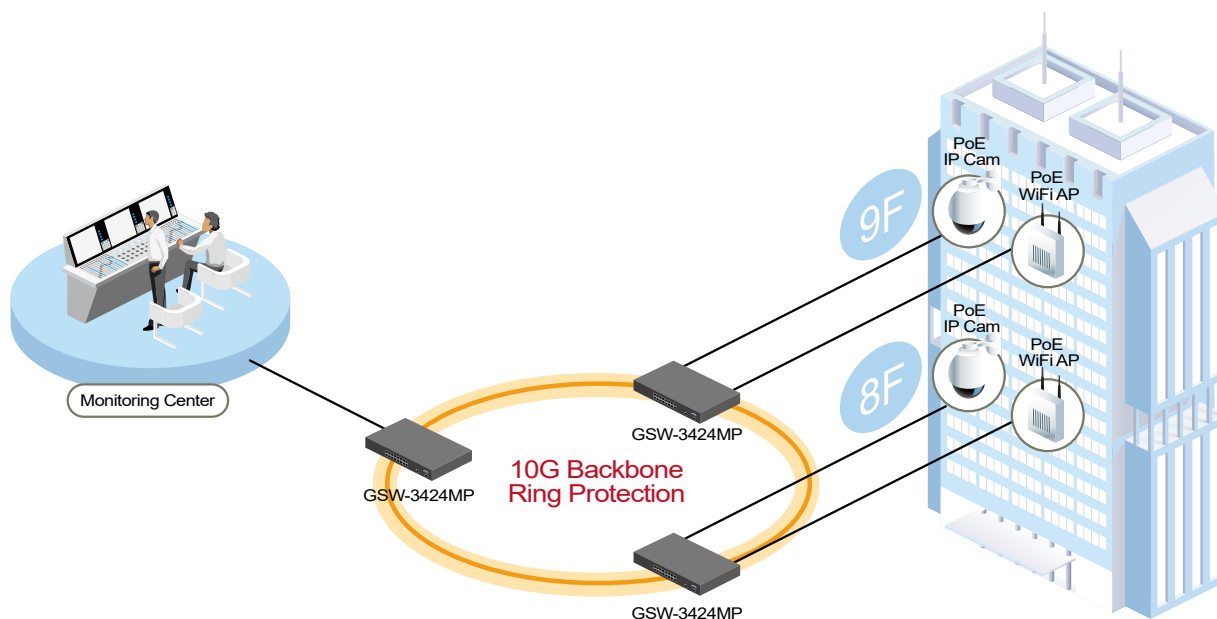
Features

- 24 × RJ45/PoE+ ports with 450W power budget totally
- Cable diagnostics to test UTP cable or determine broken point distance
- Text based CLI configuration download and upload
- Advanced PoE management
  - PoE PD failure auto check and reset if PD failed
  - PoE port on/off scheduling
  - PoE configuration for power planning

Specifications

Interface	Fiber port: 1Gbps SFP uplink × 4 Copper port: 10/100/1000Base-T RJ45 × 24 Management port: 10/100/1000Base-T RJ45 × 1 Console port: RS-232 in RJ45 × 1
PoE Power Budget	450W
Switching Fabric Capacity	56Gbps
Packet Forwarding Rate	14880pps @10Mbps 148800pps @100Mbps 1488000pps @1000Mbps
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; 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 policing 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; 512 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
Advanced PoE Management	PoE PD failure auto check and reset if PD failed; PoE port on/off failure; PoE port enable/disable; Power limit by PD classification; Totally PoE power budget limitation (450W maximum); Power feeding priority
Power Input	AC power input (100~240V)
Operating Temperature	0~50℃
Storage Temperature	-25~70℃
Humidity	5%~95% (non-condensing)
Dimension	440 × 250 × 43.5 mm (W×D×H)
Certification	CE, FCC class A

Application

Ordering Information

Model Name	Description
GSW-3424MP	24 × GbE/RJ45, PoE+ + 4 × 1G SFP L2+ Managed PoE Switch