GSW-3424FM

24 × GbE/SFP + 4 × GbE/RJ45 with 4 × 1G/10G SFP+ L2+ Managed Ethernet Switch

CTC Union Technologies unveils an SNMP manageable Gigabit Ethernet switch for FTTx deployment, GSW-3424FM, which is targeted at multi-service operators (MSO) with a desire to deploy provisioned triple play services via active Ethernet FTTx network infrastructures. Fiber based network infrastructures offer the data rates required by triple play services such as high-speed internet access, VoIP and HD IPTV.

It is equipped with 24 dual rate 100/1000Base-X SFP ports, 4 10/100/1000Base-T RJ45 ports and 4 1G/10Gbps dual rate SFP+ slots. The GSW-3424FM Ethernet access switch provides VLAN, QoS and IGMP L2 feature sets as well as robust security management to facilitate service provider's build out of a manageable and secure FTTx access network.

▌Specifications

Interface	Access fiber port: 100Base-FX/1000Base-X SFP slot × 24 Access copper port: 10/100/1000Base-T RJ45 × 4 Uplink port: 1000Base-X/10GBase-X SFP+ slot × 4 Management port: 10/100/1000Base-T RJ45 × 1 Console port: RS-232 in RJ45 × 1
Switching Fabric Capacity	136Gbps
Packet Forwarding Rate	14880pps @10Mbps 148800pps @100Mbps 1488000pps @1000Mbps 14880000pps @10Gbps
Packet Forwarding Capacity	102Mpps
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; 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 control 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; 256 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
Power Input	AC power input (100~240V) ; -36~-60VDC

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
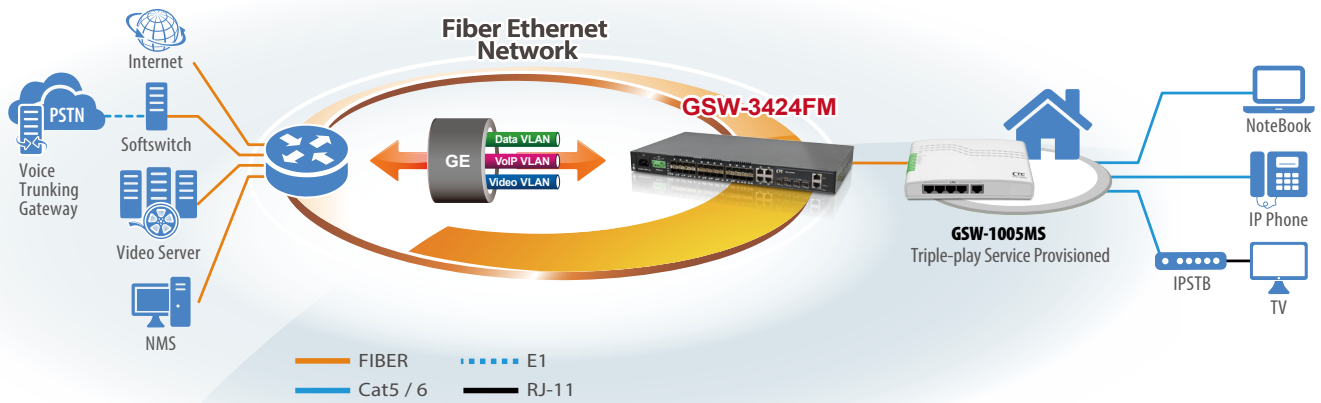
Ordering Information

Model Name	Description
GSW-3424FM-AC	24 × GbE SFP slots + 4 × GbE RJ45 + 4 × 1G/10Gbps SFP+ slots uplink with single AC power supply
GSW-3424FM-DC	24 × GbE SFP slots + 4 × GbE RJ45 + 4 × 1G/10Gbps SFP+ slots uplink with single DC power supply (-48V)
GSW-3424FM-AA	24 × GbE SFP slots + 4 × GbE RJ45 + 4 × 1G/10Gbps SFP+ slots uplink Dual AC power supply
GSW-3424FM-DD	24 × GbE SFP slots + 4 × GbE RJ45 + 4 × 1G/10Gbps SFP+ slots uplink Dual DC power supply (-48V)
GSW-3424FM-AD	24 × GbE SFP slots + 4 × GbE RJ45 + 4 × 1G/10Gbps SFP+ slots uplink AC & DC (-48V) 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