

# GSW-3424CM

## L2+ Managed Ethernet Switch

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



CTC Union Technologies unveils the L2+ managed Ethernet switch, GSW-3424CM, which is aimed at the enterprise intranet network and MDU (Multiple Dwelling Unit) of FTTH deployment. It is equipped with 24 Gigabit RJ45 ports and 4 1G SFP based fiber optics ports. It will deliver the benefits of optimal traffic transportation performance and lower ownership cost while maintaining the network deployment simply.

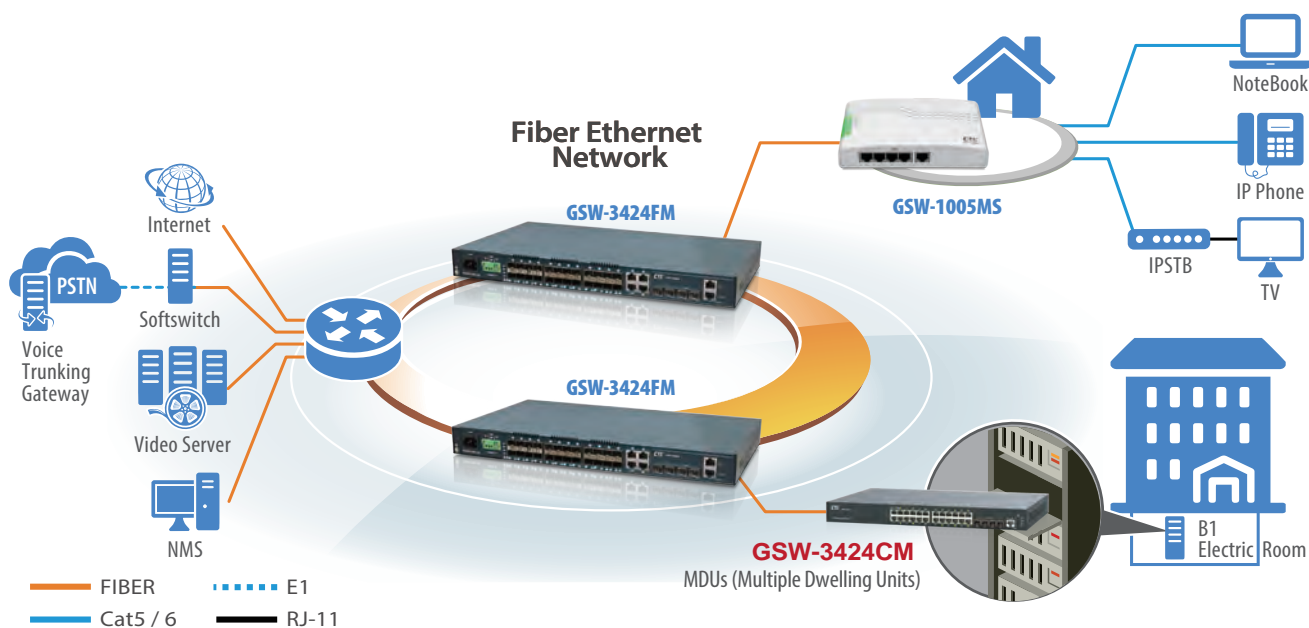
The GSW-3424CM Ethernet switch provides VLAN, QoS and IGMP L2 feature sets as well as robust security management to facilitate service provider and MIS team of enterprise build out of a manageable and secure Ethernet access network rapidly. The redundant power design can increase the high network availability due to the power supply outage unpredictably.

### Specifications

|                                  |   |           |
|----------------------------------|---|-----------|
| <b>Interface</b>                 | Copper port: 24x 10/100/1000Base-T RJ45<br>Uplink port: 4x 1000Base-X SFP slot<br>Console port: 1x RS-232 in RJ45 |           |
| <b>Switching Fabric Capacity</b> | 56Gbps  |           |
| <b>Packet Forwarding Rate</b>    | 14880pps  | @10Mbps   |
|                                  | 148800pps   | @100Mbps  |
|                                  | 1488000pps  | @1000Mbps |
| <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, Multicast/Broadcast/Unicast storm control with flooding control                         |           |
| <b>Security</b>                  | 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  |           |
| <b>IP Multicasting</b>           | IGMP snooping v1/v2/v3, IGMP proxy, MLD snooping v1/v2, IGMP fast leave   |           |
|                                  | IGMP query, IGMP filtering/throttling, MVR (Multicast VLAN Registration)  |           |
| <b>Management</b>                | 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           | 100~240VAC ; 36~72VDC       |
| Power Consumption     | 35.45 Watts Max.            |
| Operating Temperature | 0~50°C                      |
| Storage Temperature   | -25~70°C                    |
| Humidity              | 5%~95% (non-condensing)     |
| Dimension             | 440 x 250 x 43.5 mm (WxDxH) |
| Certification         | CE, FCC class A             |

## Application



## Ordering Information

| Model Name    | Description   |
|---------------|---|
| GSW-3424CM-AC | 24 × 10/100/1000Base-T RJ45 + 4 × 1G SFP Slots Managed Ethernet Switch with Single AC Power Supply        |
| GSW-3424CM-DC | 24 × 10/100/1000Base-T RJ45 + 4 × 1G SFP Slots Managed Ethernet Switch with Single DC Power Supply (-48V) |
| GSW-3424CM-AA | 24 × 10/100/1000Base-T RJ45 + 4 × 1G SFP Slots Managed Ethernet Switch with Dual AC Power Supply          |
| GSW-3424CM-DD | 24 × 10/100/1000Base-T RJ45 + 4 × 1G SFP Slots Managed Ethernet Switch with Dual DC Power Supply (-48V)   |
| GSW-3424CM-AD | 24 × 10/100/1000Base-T RJ45 + 4 × 1G SFP Slots Managed Ethernet Switch with AC + DC Power Supply          |