CM3728-4GF8GC16GF

28-Port Layer 3 Managed Rack-Mounted Ethernet Switch, with 4 Gigabit Fiber Ports, 8 Gigabit SFP/RJ45 Combo Ports, and 16 Gigabit Copper Ports

■ Provides 4 Gigabit fiber ports, 8 Gigabit SFP/RJ45 Combo Ports, and 16 Gigabit copper ports.

■ Fanless design, IP30 protection grade, impact-resistant metal enclosure

■ Applicable voltage: AC220V

■ Meets EMC electromagnetic compatibility requirements (lightning, electrostatic discharge, surges, burst pulses).

■ Supports various management methods including Web, CLI, Telnet, SSH, and bilingual (Chinese/English) Web interfaces.

■ Supports ERPS, STP, RSTP, and MSTP configuration.

■ Supports static routing.

■ Supports SNMP V1/V2c/V3.

CE FC

Product profile

CM3728-4GF8GC16GF is a layer 3 rack-mounted managed switch designed to meet communication system requirements. It has 4 Gigabit fiber ports, 8 Gigabit SFP/RJ45 Combo ports, and 16 Gigabit copper ports. It supports various management methods including Web, CLI, and Telnet, as well as SNMPv1/v2c/v3-based network management software. It also supports layer 3 static routing functionality and offers a wide range of layer 2 software features including RMON, port mirroring, QoS, LLDP, DHCP, file management, log management, port statistics, ARP user privilege classification, ACL, NAT, port alarms, storm control, Telnet/SSH configuration, DHCP Snooping, 802.1Q VLAN, port aggregation, port loopback, bandwidth management, flow control, port isolation, static multicast, multicast routing, and IGMP-Snooping. The user-friendly management system interface ensures easy operation, providing you with a good user experience.

Product features

- Supports 4K 802.1Q VLAN, simplified network planning;
- Supports IGMP Snooping and GMRP for filtering multicast traffic;
- Supports dual IPv4/IPv6 protocol stack;
- Line-speed L2/L3 forwarding capability;

- QoS (IEEE 802.1p and DSCP) improves data transfer certainty;
- RMON provides more effective network monitoring and prediction capabilities;
- Port mirroring function to assist in online troubleshooting.
- Supports 255 vlan-based and mac-based ACL access controls;
- Supports one-click factory reset.

Product properties

Applicable standards

IEEE 802.3i 10Base-T   IEEE 802.3u 100Base-T

IEEE 802.3ab 1000Base-T   IEEE 802.3z 1000Base-SX/LX

IEEE 802.3ad Link Aggregation   IEEE 802.3x Flow Control

IEEE 802.1p Priority   IEEE 802.1Q VLAN

IEEE 802.1D STP   IEEE 802.1w RSTP

IEEE 802.1s MSTP   IEEE 802.1p QoS

Protocols

IGMP Snooping, GMRP, GVRP, DHCP, SNMPv1/v2c/v3, TFTP, NTP, SNTP, Ping, Traceroute, RMON, HTTPS, SSH, Telnet, Syslog, ERPS, MLD, LLDP, LACP, ACL

MIB: MIB-II, BRIDGE MIB, Ethernet MIB, IF MIB, RMON MIB Group 1, 2, 3, 9

Switching features

QoS queue: 8   **Packet forwarding rate:** 126 Mpps

VLAN-ID: 1-4094   **Back plane bandwidth:** 336 Gbps

List of MAC addresses: 8K

Message buffer size: 32 Mbit

Port

Serial port: RS-232 (port type: RJ45 slot)

Gigabit fiber port: 1000 Mbps (port type: SFP slot)

Gigabit copper port: 10/100/1000 Mbps self-adaptive, Full/Half duplex mode, MDI/MDI-X supported.

LED indicator: PWR, Link/ACT, SPD, RUN

Power source requirement

Input voltage: AC220V

Physical properties

Enclosure: Metal IP30

Size: 440 mm*280 mm*44 mm

Weight: 4380 g

Mounting method: Rack-mounted

Environmental restrictions

Working temperature: -40 ~ 75°C (-40 ~ 167°F)

Storage temperature: -40 ~ 85°C (-40 ~ 185°F)

Relative ambient humidity: 5 ~ 95% (non-condensing)

Standards and certification

EMS:

IEC 61000-4-2 ESD level 3, IEC 61000-4-4 EFT level 4, IEC 61000-4-5 Surge level 4

Anti-vibration performance: IEC 60068-2-6

Shock resistance: IEC 60068-2-27

Free fall: IEC 60068-2-32

**Certification:** CE, FCC, and RoHS

MTBF (mean time between failures)

Time: 500,000 h

Warranty

Quality assurance: 3 years

Fiber properties

	1000BaseFX	
	Multimode	**Single mode**
Wavelength	850 nm	1310 /1550 nm
Maximum transmission power	-3 dBm	0 dBm
Minimum transmission power	-9 dBm	-10 dBm
Receiving sensitivity	-19 dBm	-22 dBm
Link budget	10 dB	12 dB
Typical distance	550 m	20 km
Saturation	-3 dBm	-3 dBm

Product size (mm)
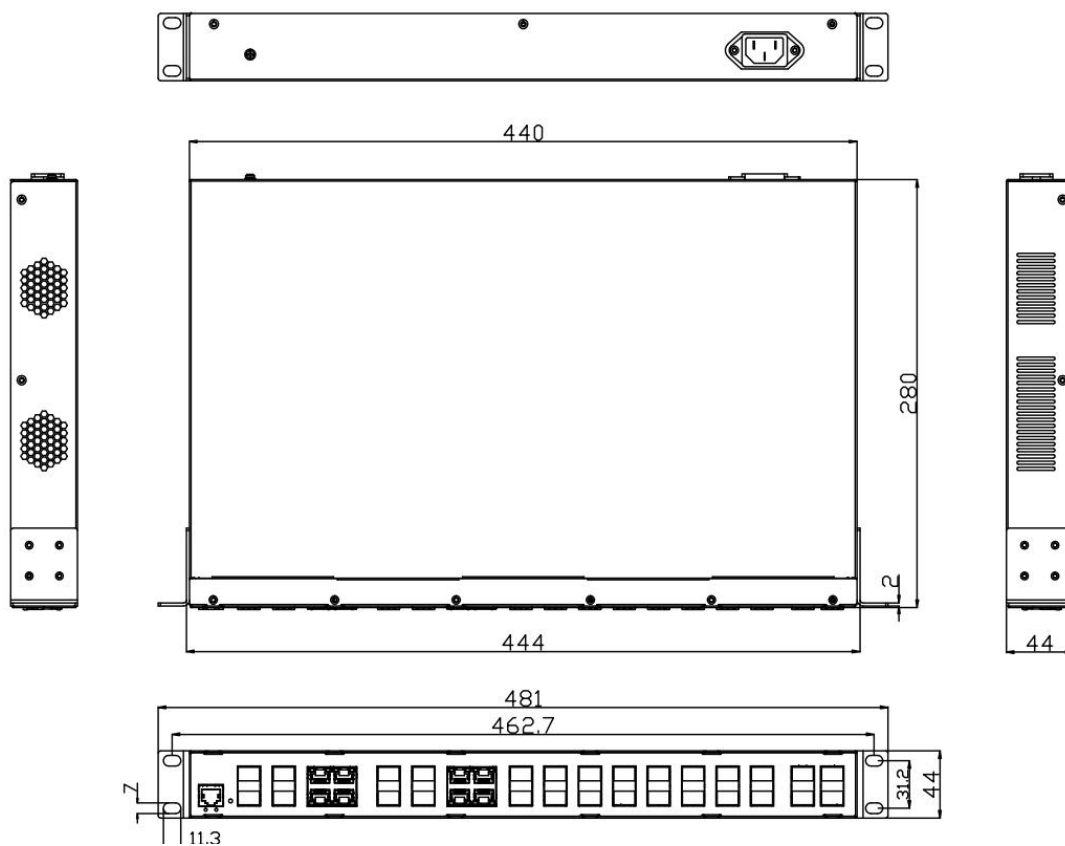
Order information

Optional model	Port type			
	1000BaseCombo	10/100/1000BaseT	1000BaseFX	10GBaseFX
			Single mode/multimode	
CM3728-4GF8GC16GF	8	-	20	-

Parking list

- Ethernet Switch
- Installation Accessories
- User Manual
- Warranty Card & Certificate of Conformity