

# CM3728-4WF8GC16GF

28-Port Layer 3 Managed Rack-Mounted Ethernet Switch, with 4\*10 Gigabit Fiber Ports, 8 Gigabit SFP/RJ45 Combo Ports, and 16 Gigabit Copper Ports



- Provides 4\*10 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.



## Product profile

CM3728-4WF8GC16GF is a layer 3 rack-mounted managed switch designed to meet communication system requirements. It has 4\*10 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; 10 Gigabit bandwidth uplink port;

- 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 802.3ae 10GBase-X  
 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:** 252 Mpps  
**VLAN-ID:** 1-4094    **Back plane bandwidth:** 598 Gbps  
**List of MAC addresses:** 8K  
**Message buffer size:** 42 Mbit

### Port

**Serial port:** RS-232 (port type: RJ45 slot)  
**Gigabit fiber port:** 10G/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 ~ 45°C (-40 ~ 113°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

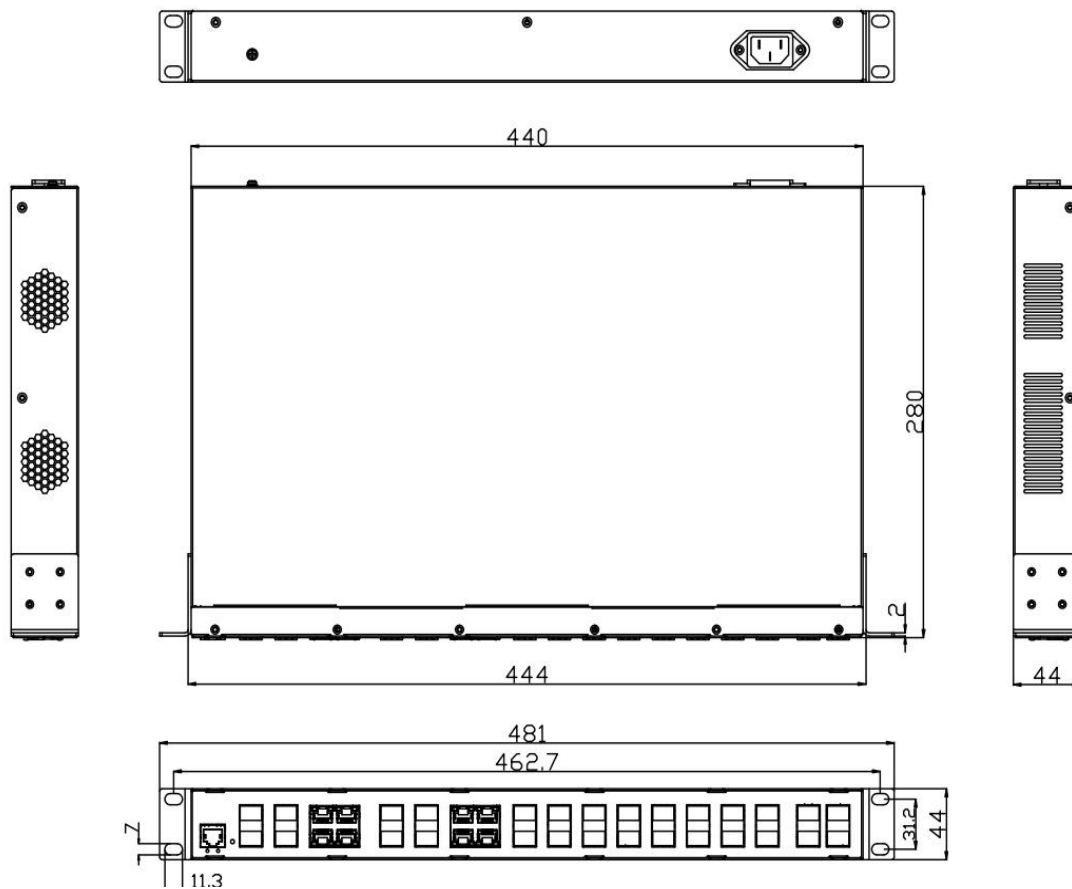
### Warranty

**Quality assurance:** 3 years

## Fiber properties

	1000BaseFX		10GBaseFX	
	Multimode	Single mode	Multimode	Single mode
Wavelength	850 nm	1310 /1550 nm	850 nm	1310 nm
Maximum transmission power	-3 dBm	0 dBm	0 dBm	1 dBm
Minimum transmission power	-9 dBm	-10 dBm	-6 dBm	-6 dBm
Receiving sensitivity	-19 dBm	-22 dBm	-11 dBm	-13 dBm
Link budget	10 dB	12 dB	5 dB	7 dB
Typical distance	550 m	20 km	300 m	10 km
Saturation	-3 dBm	-3 dBm	-3 dBm	-3 dBm

## Product size (mm)



## Order information

Optional model	Port type			
	1000BaseCombo	10/100/1000BaseT	1000BaseFX	10GBaseFX
			Single mode/multimode	
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### Parking list

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