

# CM5728-4WF8GC16GT

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, RIP, dynamic routing OSPF, VRRP, smart stacking, IS-IS, BGP and PIM.
- Supports SNMP V1/V2c/V3.



## Product profile

CM5728-4WF8GC16GT 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 functionalities, including static routing, RIP, dynamic routing OSPF, VRRP, smart stacking, IS-IS, BGP, PIM, as well as rich layer 2 functionalities such as 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 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, VRRP, RIP, OSPF, BGP, IS-IS,  
 PIM

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

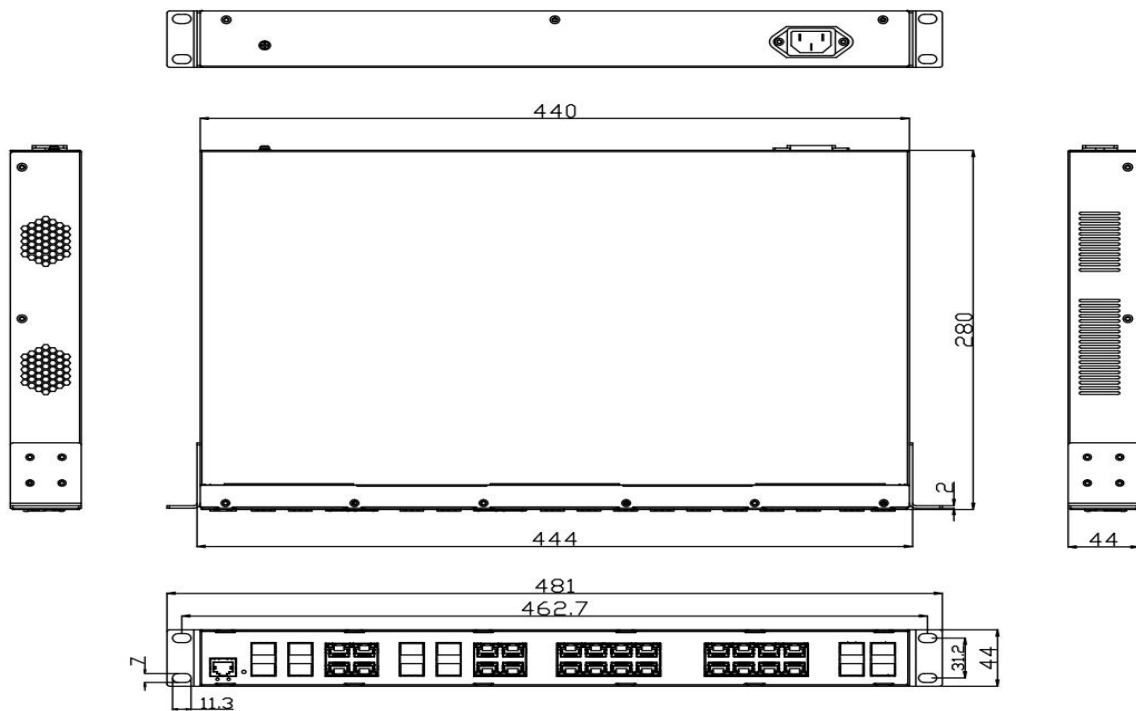
### Warranty

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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### Packing list

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