CM6320-2GF18GT

20-port managed Rack-mounted industrial Ethernet switch, with 2 Gigabit fiber ports and 18 Gigabit copper ports

- Providing 2 Gigabit fiber ports and 18 Gigabit copper ports
- IP30 protection grade, impact resistant metal shell
- Applicable voltage range: AC220V
- Meet the requirements of electromagnetic compatibility EMC (lightning protection, static electricity, surge, pulse)
- Command line (CLI) + WEB interface for fast configuration of network functions
- Support Ring configuration (switching time <20ms) and STP/RSTP ring network protection
- SNMP V1/V2c/V3, support WTNMS integrated network management

Product profile

CM6320-2GF18GT is a network management frame of Ethernet switches, provide 2 Gigabit fiber ports and 18 gigabit port,, with IP30 protection grade, - the working temperature of -20 ~ 75 ℃, with super strong degree, designed for demanding applications of network communication, high EMI/EMS protection ability, every product has a 100% of the aging test to ensure quality.

Advanced management and security features such as IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON and more are supported, while Link Aggregation, Ring and RSTP/STP for redundancy backup improve network reliability and availability

Product features

- Support 4K 802.1Q VLANs and GVRP, simplified network planning;
- Support IGMP Snooping and GMRP for filtering multicast traffic;
- Support SSH remote security management configuration;
- Dial switches enable ringing, port isolation;

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

Product properties

Applicable standards

IEEE 802.3 10BaseT IEEE 802.3u 100BaseT
IEEE 802.3ab 1000BaseTX IEEE 802.3z 1000BaseFX
IEEE 802.3x flow control
IEEE 802.1D STP IEEE 802.1w RSTP
IEEE 802.1p Cos IEEE 802.1Q VLAN

Protocols

IGMP Snooping, GMRP, GVRP, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP, SSH, Telnet, Syslog, LLDP, EtherNet/IP, Modbus/TCP
MIB: MIB-II, BRIDGE MIB, Ethernet MIB, IF MIB, RMON MIB Group 1, 2, 3, 9

Switching features

Qos queue: 8   **VLAN-ID:** 1-4094
Back plane bandwidth: 40 Gbps **List of MAC addresses:** 8K
Message buffer size: 4 Mb

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, RUN

Power source requirement

Input voltage: AC220V
Input current Up to 200 mA

Physical properties

Enclosure: Metal IP30-rated protection
Size: 440 mm*300 mm*44 mm
Weight: 4380 g
Mounting method: Rack-mounted

Environmental restrictions

Working temperature: -20 ~ 75°C (-4 ~ 167°F)
Storage temperature: -40 ~ 85°C (-40 ~ 185°F)
Relative ambient humidity: 5 ~ 95% (non-condensing)

Standards and certification

EMI: FCC Part 15/CISPR22 (EN55022): Class A
EMS:
IEC61000-4-2 (ESD) level 3, IEC 61000-4-3 (RS) level 3, IEC 61000-4-4 (EFT) level 4, IEC 61000-4-5 (Surge) level 4, IEC 61000-4-6 (CS) level 3
Anti-vibration performance: IEC 60068-2-6
Shock resistance: IEC 60068-2-27
Free fall: IEC 60068-2-32
Note: Please go to the official website of Wintop Optical for the latest certification status.
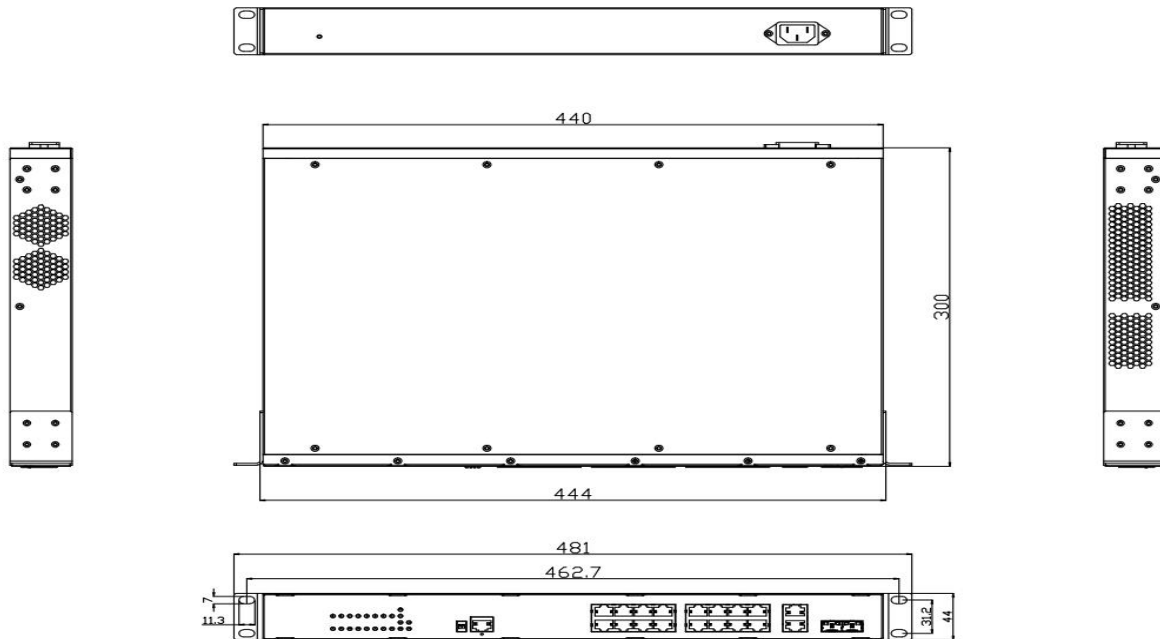
MTBF (mean time between failures)
Time: 500,000 h

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	-8 dBm	-10 dBm	
Receiving sensitivity	-19 dBm	-32 dBm	
Link budget	11 dB	22 dB	
Typical distance	2km[a] 550 m[b]	20 km[c]	
Saturation	-6 dBm	-3 dBm	

a. 50/125 um, 800 MHz*km fiber cable

b. 62.5/125 um, 500 MHz*km fiber cable

c. 9/125 um single-mode fiber cable

Product size (mm)

	Port type			
Optical model			100BaseFX	1000BaseFX
	10/100BaseT	10/100/1000BaseT	Single mode/multimode	
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Parking list

- Ethernet switch
- Installation accessories
- User's Manual
- Warranty Card & Conformity Certificate