

28 all optical full Gigabit ports rackmount layer 2 managed industrial ethernet switch

MISCOM7028GX



Product Features:

- ◆ 8 Gigabit Combo ports+20 Gigabit SFP ports
- ◆ Support status display with front and back sides indicator lights
- ◆ Support MW-Ring patent redundancy technique (failure recovery time <20ms)
- ◆ Support static multicast filtering , IGMP Snooping
- ◆ Supports broadcast storm suppression and port rate control
- ◆ Support power off, fiber off, storm and other status relay alarm output;
- ◆ Support isolated power supply, optional dual redundant power supply
- ◆ Support managed function such as VLAN, QoS, Trunking, and port mirroring
- ◆ Wide temperature range design ,fanless thermal design
- ◆ Satisfy harsh industrial environment

Product Description

The **MISCOM7028GX** series layer 2 full Gigabit managed industrial Ethernet switch is a high-performance Ethernet communication product developed by Maiwe for industrial communication. The product uses high-performance industrial-grade switch chip. It supports 8 Gigabit Combo ports+20 Gigabit SFP ports with AC220V/DC110V power input and It can also improves network communication stability with wiring saved. The MISCOM7028GX series products can meet the high-end requirements of the industrial application environment and the communication performance especially for the smart grid.

Technical Specification

Software function	
Switch Properties	Supports Rate limit, Trunking, flow control, VLAN、IEEE 802.1Q VLAN and broadcast storm suppression
Redundancy Protocols	Support MW-Ring patent redundancy technique (failure recovery time <20ms) Support MSTP/RSTP
Multicast	Support IGMP v1/v2/v3、IGMP Snooping Support GMRP, and static multicast filtering
Security	Support IEEE 802.1x, HTTP, RADIUS, user grading and MAC address binding
Service quality management	Supports SP and WRR queuing. Support QoS setting
IP address management	Support DHCP server
Management and maintenance	Supports CLI、Web management methods, LLDP and SNMPv4 Support SNMPv1/v2c, ACL Support software updating Supports the IP/MAC address conflict alarm Support power off, power alarm, port alarm

	Support port mirroring; Support log viewing Support Link-check and NTP Support accept and transfer frame statistics
Technical parameters	
Protocol Standard	IEEE802.3、IEEE802.3u (100Base-TX &100Base-FX)、IEEE802.3x (flow control)、IEEE802.3ab (1000Base-T)、IEEE802.3z (1000Base-LX)、IEEE802.1D (STP)、IEEE802.1w (RSTP)、IEEE802.1Q (VLAN)、IEEE802.1p (Priority)、IEEE802.1x (Access control)
Switch capability	
Priority Queues	8
VLAN Number	4096
multicast group	512
MAC Table Size	16K
Backplane bandwidth	56Gbps
Switch Delay	<5μs
Interface	
Gigabit ports	Port numbers:28
	Connector: SFP fiber port(LC connector,singlemode/multimode) & Self-adaption 10/100/1000MBase-TX
	Baud rate:1000Base-LX (optical port), Self-adaption 10/100/1000MBase-TX
Console port	RS232,RJ45
Terminal block for relay alarm	5.08mm terminal block ,1A@24VDC
Terminal block for power input	5.08mm terminal block
Communication distance	
Twisted-pair	100m(CAT5/CAT5e cable)
Multimode fiber	Gigabit multimode:850nm, 500m
Singlemode fiber	Gigabit singlemode:1310nm, 20km
LED indicator lights	
Front panel LED lights	Port light:LINK/ACT;SPEED
	System work light:SYS
	Power status light:PWR1; PWR2; PWR

	Alarm light:ALARM
Back panel LED lights	RJ45 Port light:LINK/ACT;SPEED
	Fiber light:LINK/ACT
	Power status light:PWR1; PWR2; PWR
	System work light:SYS
Power	
Input power	AC/DC220V (85-264VAC/110-370VDC)
Power consumption	<32W@(MAX)
Overload protection	support
Inversed protection	support
Redundancy protection	Support
Working Environment	
Operating Temperature	-40℃~70℃
Storage temperature	-45℃~85℃
Ambient Humidity	5%~95%
Physical Characteristics	
Shell	IP40 protection,aluminium alloy shell
Installation	Standard 19-inch rack mounting
Dimension	482.6mm×44mm×315mm (W×H×D)
Industry standard	
EMC	EN61000-4-2 (ESD) , Level 4 EN61000-4-3 (RS) , Level 4 EN61000-4-4 (EFT) , Level 4 EN61000-4-5 (Surge) , Level 4 EN61000-4-6 (CS) , Level 4 EN61000-4-8, Level 5
Impact	IEC60068-2-27
Falling	IEC60068-2-32
Shock	IEC60068-2-6
Warranty	

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Warranty	5 Years
Certification	CE,FCC,RoHS

Product Ordering Information

Warranty

MISCOM7028GX -8GC-20GF-AD220	8 Gigabit Combo ports+20 Gigabit SFP ports,single power in standard
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