

## 28-Port Gigabit Industrial Ethernet Switch

### MISCOM8028-4GF



- ◆ 4 Gigabit SFP port+24x10/100Base combo ports
- ◆ Support RIP/OSPF/PIM Layer 3 Routing Protocol
- ◆ Support MW-Ring/MSTP/VRRP/EAPS for network redundancy
- ◆ Support multiple management methods and network centralized management
- ◆ Single rib type fanless design
- ◆ Front and rear indicator design
- ◆ IEC61850-3 certified, State Grid Class A standard

#### Product Description

MISCOM8028G is a layer-3 full Gigabit industrial Ethernet switch embedded with 4 Gigabit SFP port + 24 10/100base combo ports in industrial communication providing advanced performance from Maiwe. With 19-inch rack mounted, it supports front and rear panel installation. Moreover, it integrates Layer 2 switching software such as VLAN/multicast/QoS/MW-Ring, in addition, it supports static/ dynamic routing /multicast routing, and supports a user friendly web console interface for easy configuration, offer you optimum performance and availability for demanding industrial communication

**Technical Specification**

<b>Software performance</b>	
Switch Function	Support VLAN Support GVRP Support port aggregation. Support flow control. Support Rate limit Support broadcast storm suppression.
Redundancy protocol	Support VRRP/EAPS Support MW-Ring and the recovery time<20 ms. Support RSTP/MSTP and compatible with STP
Multicast routing	Support IGMP snooping/ IGMP v1/v2/v3 Support GMRP Support static multicast Support PIM-SM/PIM-DM
Unicast Routing	Support RIPv1/v2/RIPng/OSPFv1/v2 Support Static Routing Support PIM-SM/PIM-DM
Service quality management	Support ACL and L2-L7 data Filter Support SP/ WRR queuing
IP management	Support DHCP server/relay/client
Management and maintenance	Support Console/Telnet/and Web management methods Support SNMPv1/v2c Support FTP/TFTP file transfer and software update Support power failure alarm/power alarm/ port linkdown alarm/ring alarm Support port mirroring/Syslog/ LLDP/ RTC/SNTPv4
<b>Technical specifications</b>	
Ethernet Standard	IEEE802.3-10BaseT IEEE802.3u-100BaseTX/100Base-FX IEEE802.3x-Flow Control IEEE802.3z-1000BaseLX IEEE802.3ab-1000BaseTX IEEE802.1ab IEEE802.1D-Spanning Tree Protocol IEEE802.1w-Rapid Spanning Tree Protoco IEEE802.1Q -VLAN Tagging IEEE802.1s Multiple Spanning TreeProtocol IEEE802.1p -Class of Service IEEE802.1X-Port Based Network Access Control GVRP/RIPv1/v2&OSPFv1/v2/v3/VRRP/DHCP/CLI/EAPS/Qos/LACP/LLD P/IGMP/PIM/SNMP/SNTP/SSH

Switch properties	
Priority queue	8
VLAN ID	1-4096
IGMP Groups	256
MAC table	32k
Switch Bandwidth	12.8Gbps
Route Table	8k
Switch Delay	<5 $\mu$ s
Interface	
Gigabit ports	Port numbers:4
	Connector:SFP for fiber port(LC,single or multi mode), 10/100/1000M for copper port
	Baud rate:1000Base-LX(SFP) /adaptive 10/100Base-T(x)
100M ports	Port numbers:24
	Connector: 9 fixed 100BaseF(x) ports(single or multi mode,SC/FC/ST available)or RJ45
	Baud rate:100Base-FX/adaptive 10/100M-T(x)
Console port	RS232/RJ45
Terminal block for power input	5.08mm terminal block
Terminal block for relay alarm	5.08mm terminal block,1A@24VDC
Communication distance	
Twisted-pair	100m(CAT5/CAT5e cable)
Multimode fiber	Gigabit multi mode: 850nm 550m; 10/100base multi mode: 1310nm 2km
Single mode fiber	Gigabit single mode: 1310nm 20km 10/100base single mode: 1310nm 20/40km;1550nm 60/80km
LED indicator lights	
Front panel LED	Port light: LINK/ACT;SPEED
	Running light: RUN
	Power LED: PWR1, PWR2
	Alarm LED: AIARM
Rear panel LED	RJ45 LED: LINK/ACT; SPEED

	Fiber LED: LINK/ACT
<b>Power Requirements</b>	
Power input	AC/DC220V(85-264VAC/110-370VDC)
Full-load consumption	< 35W
Overload protection	support
Inversed protection	support
Redundancy protection	support
<b>Working Environment</b>	
Operating Temperature	-40℃~70℃
Storage temperature	-40℃~85℃
Ambient Humidity	5%~95%( non-condensing)
<b>Physical Characteristics</b>	
Shell	IP40 protection,aluminium alloy shell
Installation	19" 1U rack mounted for front and rear outlet installation
Dimension	482.6 mmx44mmx315mm (WxHxD)
<b>Industry standard</b>	
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
<b>Warranty</b>	
Warranty period	5 Years
Certification	CE,FCC,RoHS

**Product Ordering Information**

**Warranty**

## 28-Port Full Gigabit Industrial Ethernet Switch

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MISCOM8028-4GF-AD220	4xGigabit SFP+24x10/100baseT(x), standard single power supply
MISCOM8028-4GF-4F(M/S)-AD220	4xGigabit SFP+4X10/100BaseF(x)+20x10/100baseT(x), standard single power supply
MISCOM8028-4GF-8F(M/S)-AD220	4xGigabit SFP+8X10/100BaseF(x)+16x10/100baseT(x), standard single power supply
MISCOM8028-4GF-12F(M/S)-AD220	4xGigabit SFP+12X10/100BaseF(x)+12x10/100baseT(x), standard single power supply
MISCOM8028-4GF-16F(M/S)-AD220	4xGigabit SFP+16X10/100BaseF(x)+8x10/100baseT(x), standard single power supply
MISCOM8028-4GF-24F(M/S)-AD220	4xGigabit SFP+24X10/100BaseF(x),standard single power supply