

20-Port Full Gigabit Industrial Ethernet Switch

MISCOM8020G-4GF-16GT



- ◆ 4 Gigabit SFP port+16 Gigabit RJ45 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

MISCOM8020G is a layer-3 full Gigabit industrial Ethernet switch embedded with 4 Gigabit SFP port + 16x10/100/100BaseT(x) 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

Software performance	
Switch Function	Support VLAN Support GVRP Support port link 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.
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-based management methods/RMON 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
Technical specifications	
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	512
MAC table	16k
Switch Bandwidth	40Gbps
Route Table	8k
Switch Delay	<5 μ s
Interface	
Gigabit ports	Port numbers:20
	Connector:SFP for fiber port(LC,single or multi mode),RJ45 for copper port
	Baud rate:1000Base-LX(SFP port), 10/100/1000M for copper port
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
Single mode fiber	Gigabit single mode: 1310nm 20km
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
Power Requirements	
Power input	AC/DC220V(85-264VAC/110-370VDC)
Full-load consumption	<15W
Overload protection	support

Inversed protection	support
Redundancy protection	support
Working Environment	
Operating Temperature	-40℃~70℃
Storage temperature	-40℃~85℃
Ambient Humidity	5%~95%(non-condensing)
Physical Characteristics	
Shell	IP40 protection,aluminium alloy shell
Installation	19" 1U rack mounted for front and rear outlet installation
Dimension	482.6 mmx44mmx315mm (WxHxD)
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	
Warranty period	5 Years
Certification	CE,FCC,RoHS

Product Ordering Information

Warranty	
MISCOM8020G-4G F-16GT-AD220	4xGigabit SFP+16xGigabit RJ45, standard single power supply