MISCOM8052G-4XGF-48GT

52-port layer 3 full Gigabit rack mount Ethernet switch

Product description

MISCOM8052G layer 3 full Gigabit Ethernet switch is a high-performance Ethernet communication product. It supports 4 10-Gigabit fiber ports + 48 Gigabit copper ports interface configurations. The MISCOM8052G is a 19-inch rack mount that supports front panel mounting and rear panel mounting. It not only supports port, VLAN, multicast, QoS, fast redundancy ring etc. layer 2 software features, but also supports static and dynamic routing, multicast routing, and supports multiple management methods of Console and Web, as well as network management software of the host computer. It provides high performance and highly reliable solutions for communications.

Features:

- Support 4 10-Gigabit fiber ports + 48 Gigabit copper ports interface configurations;

- Support RIP, OSPF, PIM Layer 3 routing protocols;

- Supports multiple redundant networking mechanisms such as MW-Ring, MSTP, VRRP, and EAPS;

- Support multiple management methods to support centralized network management;

- Front and rear indicator design;

- It conforms to the IEC61850-3 standard and conforms to the China national network A standard.

Product specification

Software performance

Switch Function	Support VLAN, GVRP, Support port speed limit, Support storm suppression, Support port aggregation, Support port flow control.
Redundancy protocol	Support VRRP, EAPS Support MW-Ring ring network technology Support MSTP/RSTP, compatible with STP
Multicast routing	Support IGMP v1/v2/v3, IGMP Snooping Support GMRP Support for static multicast
Routing technology	Support RIPv1/v2, RIPng, OSPFv1/v2 Support static routing protocol Support PIM-SM, PIM-DM
Service quality management	Support ACL to filter L2-L7 layer data Support SP, WRR queue scheduling
Management and maintenance	Support Console, Telnet, WEB management mode, RMON Support SNMPv1/v2c, which can be managed centrally through MWview Support FTP, TFTP file transfer and software upgrade Supports power failure alarms, power alarms, port alarms, and ring alarms. Support port mirroring, Syslog, LLDP, RTC, SNTPv4 IP supports DHCP server/relay/client

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 Protocol, IEEE802.1Q -VLAN Tagging, IEEE802.1s Multiple Spanning Tree Protocol, IEEE802.1p -Class of Service, IEEE802.1X-Port Based Network Access Control, GVRP, RIPv1/v2, OSPFv1/v2/v3, VRRP, DHCP, CLI, EAPS, Qos, LACP, LLDP, IGMP, PIM, SNMP, SNTP, SSH

Switch properties

Priority queue	8
VLAN number	4096
IGMO multicast groups	1K
MAC address	64K
Switch Bandwidth	176Gbps
Route Table	16K
Switch Delay	<5μs

Interface

10-Gigabit ports	Port numbers: 4
	Connector: SFP type Fx port
	Baud rate:10G Base-Lx (Fx port)
Gigabit ports	Port numbers: 48
	Connector: RJ45 adaptive Tx ports
	Baud rate:1000Base-Lx (Fx port), 10/100/1000M adaptive Tx 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 (standard 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: AlARM
Back panel LED	RJ45 Tx port light: LINK/ACT; SPEED
	Fiber indicator: LINK/ACT

Power Requirements

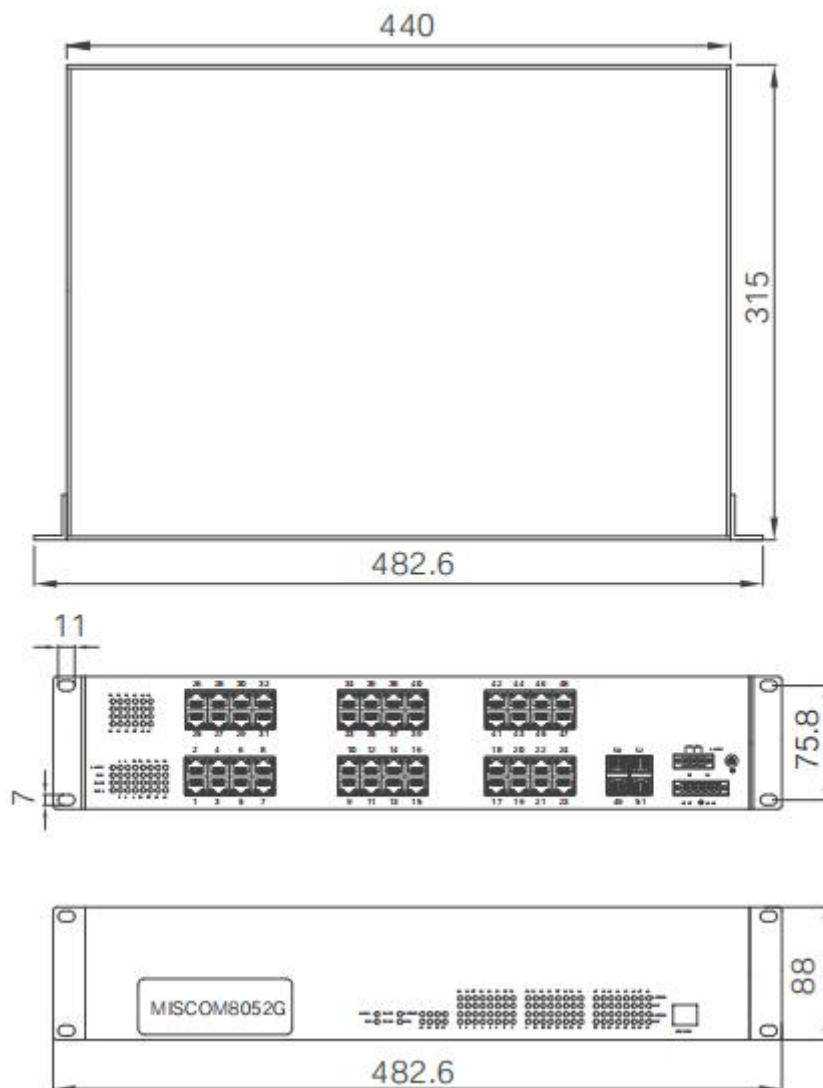| Power input | AC/DC220V(85-264VAC/110-370VDC) |
Full-load consumption	<70W@full load
Overload protection	Support
Reverse protection	Support
Redundancy protection	Support

Working Environment

| Operating Temperature | -10°C~60°C |
| Ambient Humidity | 5%~95%(non-condensing) |

Physical Characteristics

| Installation | 19" 2U rack mounted for front and rear outlet installation |

Dimension	482.6mm*88mm*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	
Warranty	5 Years
Certification	
Certification	CE,FCC,RoHS

Dimensional drawing

440

315

482.6

11

75.8

7

MISCOM8052G

88

482.6

Rack mount (Unit: mm)

Ordering information

MISCOM8052G-4XGF-48GT-AD220	4x10 Gigabit fiber ports +48 Gigabit copper ports, layer 3x10G managed rack-mounted aggregation Ethernet switch.