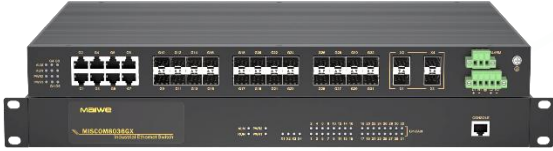


MISCOM8036GX-4XGF-24GF-8GT

36-port Layer 3 10G Rack Mounted Industrial Ethernet Switch



- ◆ Support 4-way 10G SFP+ slots, 24-way Gigabit SFP slots and 8-way Gigabit RJ45 electrical ports, providing users with flexible networking methods
- ◆ Support ERPSv1/v2, STP/RTSP/MSTP and other ring network redundancy protocols to improve network reliability
- ◆ Support IPv4/IPv6 static routing, RIPv1/v2, OSPF dynamic routing protocols, realize route selection and message forwarding
- ◆ Support AC/DC single or dual power input, dual input supports power redundancy, input voltage 220V (AC85~264V / DC110~370V)
- ◆ High-strength aluminum alloy shell, IP40 protection level, efficient heat dissipation without fan, so that the system can work reliably in the harsh and dangerous industrial environment of -40~75°C



RoHS



IP40

Product description

MISCOM8036GX-4XGF-24GF-8GT layer 3 core industrial Ethernet switch supports 4 10 Gigabit SFP+ slots, 24 Gigabit SFP slots and 8 Gigabit electrical ports. It adopts a store-and-forward mechanism and has powerful bandwidth processing capability, automatic troubleshooting of data packet errors, reducing transmission failures, easily supporting 10 Gigabit networking, ensuring stable, reliable and efficient data transmission.

MISCOM8036GX-4XGF-24GF-8GT follows the main communication standards in the industrial field and meets technical issues such as real-time communication and network security.

The product provides a variety of ways to manage the switch, such as accessing the switch command line (CLI) through the CONSOLE port or TELNET/SSH protocol, accessing the switch WEB interface through HTTP/HTTPS, and accessing the device MIB through the SNMP protocol. At the same time provide a variety of network protocols and industry standards, such as RIP, OSPF, ERPS, STP/RSTP/MSTP, VLAN, QoS, LACP, IGMP Snooping, LLDP, 802.1X, ACL, RMON, DHCP Server/ Snooping/ Relay, NTP, Port mirroring, DDM, Ping, Traceroute, etc.

Product features

- ◆ Support link static aggregation and dynamic aggregation LACP, which can increase transmission bandwidth, improve link reliability and realize network load sharing
- ◆ Support port statistics, count the data frames of different bytes or types sent and received, and realize the monitoring of port traffic
- ◆ Support 802.1Q VLAN, provide Access, Trunk, Hybrid interfaces to easily divide multiple broadcast domains, and enhance network security
- ◆ Support VLAN division based on MAC, protocol, IP subnet, etc., applicable to networks in different environments
- ◆ Support IGMP Snooping and multicast filtering, carry out Layer 2 multicast forwarding or filtering, and save network resources
- ◆ Support LLDP link layer discovery protocol, obtain LLDP neighbor device information, monitor link status, facilitate topology management and fault location
- ◆ Support ERPSv1/v2 Ethernet multi-ring protection technology, provide multi-ring networking, perform link backup, realize fast convergence, and improve network stability
- ◆ Support STP, RTSP, MSTP spanning tree protocol, which can eliminate network loops and improve network reliability
- ◆ Support loop detection to prevent network storm caused by network loop
- ◆ Support IPv4 and IPv6 static routing configuration, RIPv1/v2, OSPF dynamic routing protocol, realize routing selection and message forwarding
- ◆ Support HTTP, HTTPS, TELNET, SSH, CONSOLE port and other login methods
- ◆ Support SNMPv1/v2c/v3, through the MIB network management system, information query, information modification and troubleshooting can be performed to realize centralized management
- ◆ Supports RMON remote network monitoring, statistics and alarms for various types of data frames, and can be used for remote monitoring and management of network management systems
- ◆ Support port security, convert dynamic MAC address to secure dynamic/static/Sticky MAC, prevent illegal user access, and enhance device security
- ◆ Support 802.1X port authentication, and perform identity verification and access control on access users
- ◆ Support AAA security network management mechanism, authenticate, authorize and bill users through RADIUS, TACACS+, and prevent illegal user login
- ◆ Support ACL access control list, can customize multiple frame type filter rules, filter or limit the rate of specified packets
- ◆ Support IPv4 and IPv6 source defense attacks, perform port, source IP, source MAC, VLAN binding, and prevent source IP address spoofing
- ◆ Support ARP protection to prevent network interruption or information leakage caused by ARP flooding/spoofing attacks

- ◆ Support QoS quality of service, make voice, video and important data be transmitted preferentially in network equipment, and solve network congestion
- ◆ Support port mirroring, which can collect the data sent and received by the port for network detection and fault management
- ◆ Support DDM digital diagnosis monitoring, can detect DDM optical module temperature, voltage, transmit optical power, receive sensitivity, etc.
- ◆ Support Ping IPv4/v6, Traceroute IPv4/v6 to detect network connectivity and locate fault points
- ◆ Support DHCP server, centralized dynamic management and configuration of user IP address
- ◆ Support DHCP Snooping, to ensure that the DHCP client obtains an IP address from a legitimate DHCP server to prevent DHCP attacks
- ◆ Support DHCP relay to assist DHCP server to dynamically assign network parameters to DHCP clients
- ◆ Supports system logs to record information such as user operations, system security, and system failures, and supports remote monitoring of Syslog servers

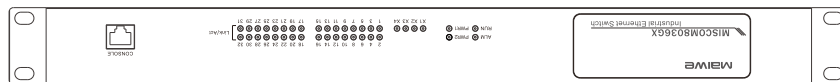
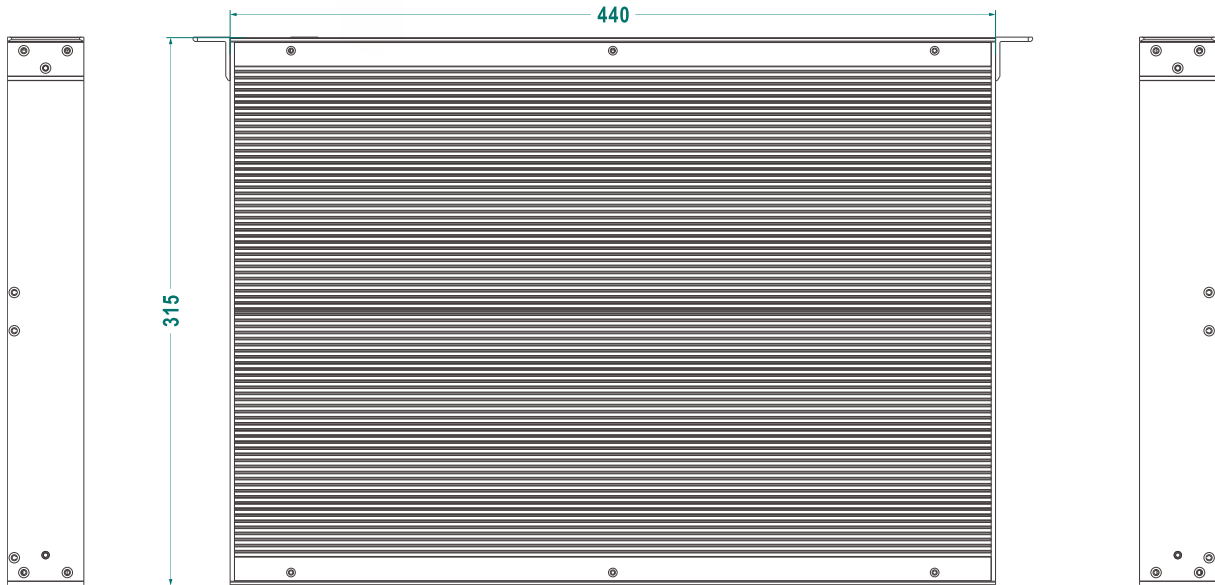
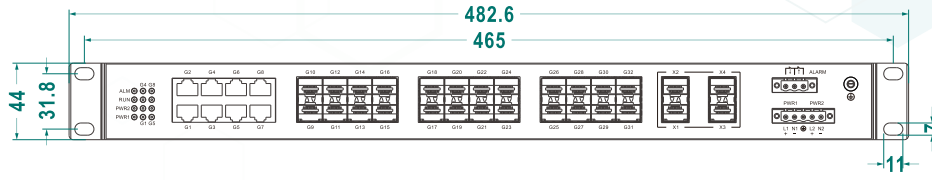
Specifications

IEEE standard	802.3x, 802.3i, 802.3u, 802.3ab, 802.3z, 802.3ae, 802.1Q, 802.1P, 802.3ad, 802.1D/W/S, 802.1AB, 802.1X 等
Exchange	Support 802.1Q VLAN, VLAN based on MAC/IP subnet/protocol, VLAN translation, PVLAN
	Support port aggregation, static aggregation, dynamic aggregation LACP
	Support MAC address aging and learning limit, static unicast or multicast MAC address binding
	Support port configuration, such as port rate, duplex mode, flow control, maximum frame length, etc.
	Support port statistics
Redundancy	Support ERPSv1/v2
	Support STP/RSTP/MSTP
Multicast	Support IGMP Snooping
	Support multicast filtering
Routing	Support IPv4/IPv6 static routing
	Support RIPv1/v2, OSPF dynamic routing
Service Quality Management	Support QoS, SP, DWRR queue scheduling, storm strategy
	Support ACL, filter L2-L4 layer data
Security Management	Support port security, loopback detection
	Support HTTP, HTTPS, TELNET, SSH access control
	Support 802.1 port authentication, AAA authentication, RADIUS, TACACS+ protocol
	Support source IPv4/IPv6 protection, ARP protection
Management and Maintainance	Support DHCPv4/v6 Client, DHCPv4 Server/Snooping/Relay
	Support SNMPv1/v2c/v3, SNMP Trap, RMON, LLDP
	Support port mirroring, DDM, Ping IPv4/IPv6, Traceroute IPv4/IPv6
	Support user rights management, log, NTP client, daylight saving time
	Support configuration file upload/download/activation/deletion, mirror double backup, restart, restore factory settings
Exchange method	store and forward
Backplane Bandwidth	180Gbps
Cache size	32Mbit
MAC address table	32K
10 Gigabit ports	4 10GBase-R SFP+ ports
Gigabit port	24 1000Base-X SFP interfaces + 8 10/100/1000Base-T interfaces

Electrical port	Physical interface: RJ45 with shield
	RJ45 port: 10/100/1000Base-T supports auto-negotiation function
10G fiber port	Rate: 10Gbps
	Interface type: SFP+ slot
Gigabit fiber port	Rate: 1Gbps
	Interface type: SFP slot
Power	Input voltage: AD220V (AC85~264V/DC110~370V)
	Input power consumption: 50W@AD220V (full load)
	Overcurrent protection: built-in
Mechanical	Physical size mm (width x height x depth): 482.6 x 44 x 315 (including mounting ears)
	Installation method: standard 19-inch 1U rack installation
	Heat dissipation form: surface heat dissipation of aluminum alloy chassis, no fan
	Case protection: IP40
	Weight: about 4.5kg
Working environment	Working temperature: -40~75°C
	Storage temperature: -40~85°C
	Humidity: 5%~95% (no condensation)
EMC	EN61000-4-2 (ESD): Level4
	EN61000-4-5 (Surge): Level4
	EN61000-4-4 (EFT): Level4

Installation Size

Unit:mm



Ordering info

Model	10G SFP+	Gigabit SFP	10/100/100M TX	Power
MISCOM8036GX-4XGF-24GF-8GT	4	24	8	Single/Dual AC/DC220V