

MISCOM6026-2F

26-Port Layer 2 Managed Rack Mount Industrial Ethernet Switch



- 2x100Base-FX ports (multi/single-mode, SC/FC/ST connector), 24x10/100Base-T(X) ports (RJ45 connector)
- Support MW-Ring v1/v2, ERPS, STP/RSTP, and other ring redundancy protocols to enhance network reliability
- Fast ring redundancy (MW-Ring v1/v2) with a recovery time of less than 20ms, improving the reliability of system communication
- Support single or dual AC85264V/DC110370V power supply optional
- With IP40 high-strength metal enclosure fanless design, the device can reliably operate in harsh industrial environment ranging from -40°C to +75°C





Product Description

MISCOM6026-2F series is a layer 2 100M managed rack mount industrial Ethernet switch. It supports 2×100Base-FX ports (multi/single-mode, SC/FC/ST connector), 24×10/100Base-T(X) ports, utilizing a store-and-forward mechanism. With its robust bandwidth processing capability and automatic error packet detection, it reduces transmission faults, making it suitable for Gigabit networking, ensuring stable, reliable, and efficient data transmission.

The product features industrial-grade components, high-standard system design, and production control. It's designed to fit standard 19-inch 1U rack installation, featuring a high-strength metal enclosure that is durable and fanless for heat dissipation. It can operate in a wide temperature range from -40 °C to +75 °C, with high-standard industrial protection design, making it adaptable to various harsh working environments, ensuring stable communication performance.

MISCOM6026-2F series support various network protocols and features including WEB management, MW-Ring v1/v2, ERPS, STP/RSTP, VLAN, LACP, LLDP, SNMPv1/v2c/v3, RMON, QoS, 802.1X, IGMP Snooping, ACL, WEB/TELNET/SSH access control, static aggregation, port mirroring, static MAC address binding, network diagnostics, loopback detection, email logs, alarms, Sntp, system logs, and online system upgrades. These features improve network performance, reliability, and security, meeting the requirements of complex networks. The product has undergone rigorous testing for functionality, high and low-temperature performance, safety, and EMC compliance, making it suitable for complex network and demanding industrial environments. It can be widely used in fields such as comprehensive energy, smart cities, rail transportation, intelligent traffic, smart factories, and industrial automation.



Features and Benefits

- Support rate limiting for broadcast, unknown multicast, and unknown unicast packets, as well as broadcast and multicast packet storm detection to prevent network storms
- Support static link aggregation and dynamic aggregation with LACP, increasing transmission bandwidth and improving link reliability
- Support port mirroring, enabling the collection of data from both incoming and outgoing ports for network monitoring and fault management
- Support 802.1Q VLAN, providing Access, Trunk, and Hybrid interfaces for easy division of multiple broadcast domains, enhancing network security
- Support IGMP Snooping, which builds a Layer 2 multicast forwarding table, reducing multicast data broadcast in the network and saving network resources
- Support LLDP (Link Layer Discovery Protocol) for obtaining information about LLDP neighbor devices, monitoring link status, facilitating topology management, and fault localization
- Support ERPS (Ethernet Ring Protection Switching) for Ethernet ring protection, offering multiple ring configurations, link backup, rapid convergence, and improved network stability
- Support RSTP (Rapid Spanning Tree Protocol) and compatible with STP (Spanning Tree Protocol) to eliminate network loops and enhance network reliability
- Support web-based control with HTTP and HTTPS protocol access control, including IP address restrictions
- Support SNMPv1/v2c/v3 for centralized management and SNMPv1/v2c/v3 TRAP messages, including standard and private TRAPs
- Support RMON (Remote Monitoring) for remote network monitoring, statistics, and alarms on various types of data frames, suitable for remote monitoring and management in network management systems
- Support QoS (Quality of Service) to prioritize voice, video, and important data transmission in network devices, addressing network congestion
- Support ACL (Access Control List) for customizing various frame type filtering rules, allowing filtering or rate limiting of specified packets
- Support 802.1X port authentication for authenticating access users, providing both local and RADIUS login authentication
- Support alarm functions, including dual power supply failure, network storms, port disconnections, and more
- Support loopback detection to prevent network loops that could trigger network storms
- Support system logging, recording, downloading, and categorization of log information, accessible through web pages, log hosts, and console outputs



Specification

Software	
Switching	Support port configuration, port rate limiting, storm suppression, storm detection, port aggregation, LACP (Link Aggregation Control Protocol), and port statistics Support 802.1Q VLAN and port isolation Support MAC address aging and static MAC address binding
Redundancy	Supports MW-Ring v1/v2 private ring network technology Supports ERPS (Ethernet Ring Protection Switching) Supports RSTP (Rapid Spanning Tree Protocol) and compatible with STP (Spanning Tree Protocol)
Multicast	Supports IGMP Snooping Supports static multicast MAC address binding
Security Management	Support access control through WEB, TELNET, and SSH Support ACL (Access Control List), 802.1X port authentication Support loopback detection, alarms, and email logging
Management and Maintenance	Supports QoS (Quality of Service), SNMPv1/v2c/v3, SNMPv1/v2c/v3 TRAP, RMON, and LLDP Supports port mirroring and Ping Supports user privilege management, system logging, local/network time synchronization, and daylight saving time (DST) Supports online reboot, factory reset, system upgrade, and configuration file upload/download Supports MW-NMPv2, MixView, and MaxView
Switch Capability	
Processing Type	Store-and-Forward
Backplane Bandwidth	12.8Gbps
Buffer Size	4.1Mbit
MAC Table Size	8K
Interface	
100M Fiber Port	2*100Base-FX fiber ports (SC/FC/ST, single-mode/multi-mode, wavelength and transmission distances are optional)
100M Copper Port	24*10/100Base-T(X) auto-sensing RJ45 ports, support full/half duplex and auto MDI/MDI-X
Relay	1 relay alarm output with 3-pin 5.08mm pitch locking terminal connectors
CONSOLE	1 Console port with RS232 signal using an RJ45 connector for device debugging
Status LED	Power indicator, operation indicator, alarm indicator, interface rate, and connection/activity status indicator.



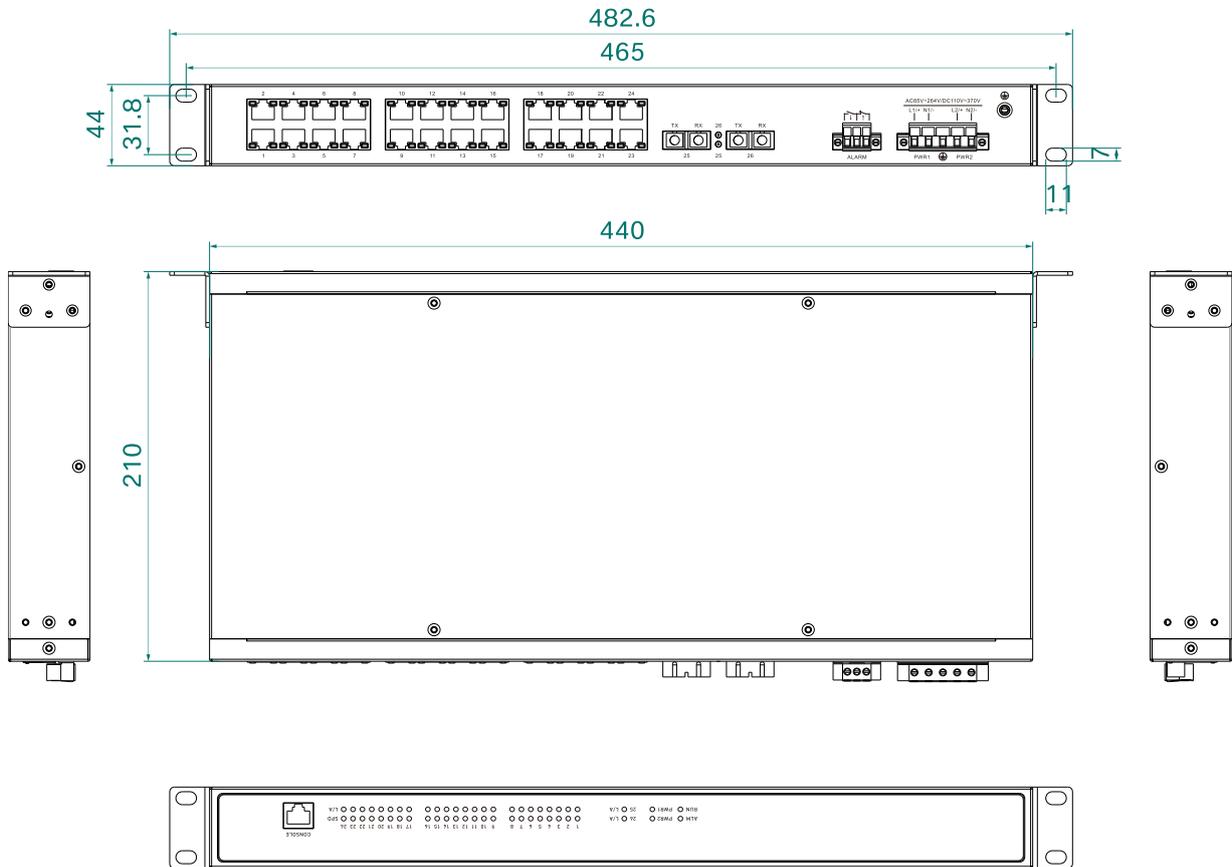
Specification

Power Supply	
Input Voltage	Single or dual AC85~264V/DC110~370V power supply optional
Power Consumption	<9W @AC220V(full load)
Connection	5-pin 5.08mm pitch locking terminal connectors
Physical Characteristics	
Dimensions	482.6×44×210 mm (mounting clip included)
Installations	19inch 1U Rack mount
IP Code	IP40
Weight	2.7kg
Working Environment	
Operating Temp	-40°C~+75°C
Storage Temp	-40°C~+85°C
Relative Humidity	5%~95% (non-condensing)
Industry Standard	
EMC	IEC 61000-4-2 (ESD - Electrostatic Discharge): Level 4 IEC 61000-4-5 (Surge): Level 4 ※ Ethernet port supports 6kV lightning protection IEC 61000-4-4 (EFT - Electrical Fast Transient): Level 4
Certification	CE, FCC, RoHS



Dimensions

Unit: mm





Ordering Information

Standard Model	100M Fiber Port	10/100M Copper Port	Input Voltage
MISCOM6026-2F(M/S)-AD220	2	24	Single AC85~26/DC110~370V power supply (Dual power supply optional)



Contact Us

Wuhan Maiwe Communication Co., Ltd

Address: No.52 Liufang Avenue, East lake High-tech Development Zone, Wuhan, China.

Tel: 027 8717 0217

Mail: enquiry@maiwe.com

Official site: www.maiwe.com

Copyright © Maiwe Communication All rights reserved