

24x10/100M Ports Rack-mount Layer 2 Managed Industrial Ethernet Switch

MIEN6024



Product Features:

- ◆ 24x10/100M RJ45 or fiber ports are available , flexible ports configuration
- ◆ Support status display with front and back sides indicator lights
- ◆ Support MW-Ring patent redundancy technique (failure recovery time <20ms)
- ◆ Support static multicast filtering , IGMP Snooping
- ◆ Supports broadcast storm suppression and port rate control
- ◆ Support isolated power supply, optional dual redundant power supply
- ◆ Support power off, fiber off, storm and other status relay alarm output;
- ◆ Support managed function such as VLAN, QoS, Trunking, and port mirroring
- ◆ Wide temperature range design ,fanless thermal design
- ◆ Satisfy harsh industrial environment

Product Description

The **MIEN6024** series layer 2 managed industrial Ethernet switch is a Ethernet communication product developed by Maiwe for industrial communication. The product uses high-performance industrial-grade switch chip. MIEN6026 series have 24x100M ports optional for fiber or electric port with AC220V/DC110V power input and It can also improve network communication stability with wiring saved.

Technical Specification	
Software function	
Switch Properties	Supports Rate limit, Trunking, flow control, VLAN、IEEE 802.1Q VLAN and broadcast storm suppression
Redundancy Protocols	Support MW-Ring patent redundancy technique (failure recovery time <20ms) Support STP/RSTP
Multicast	Support IGMP v1/v2, IGMP Snooping static multicast filtering
Security	Support IEEE 802.1x, HTTP, RADIUS, user grading and MAC address binding
Service quality management	Supports SP and WRR queuing. Support QoS setting
IP address management	Support DHCP server
Management and maintenance	Supports Console、Web management methods Support SNMPv1/v2c, Centralized management via MWview Support software updating Supports the IP/MAC address conflict alarm Support power off, power alarm, port alarm Support log viewing Support Link-check and NTP Support accept and transfer frame statistics
Technical parameters	
Protocol Standard	IEEE802.3(Ethernet)、IEEE802.3u (100Base-TX&100Base-FX)、IEEE802.3x (Flow control)、IEEE802.1D (STP)、IEEE802.1w (RSTP)、IEEE802.1Q (VLAN)、IEEE802.1p (Priority)、IEEE802.1x (Access Control)
Switch capability	
Priority Queues	4
VLAN Number	4096
multicast group	256
MAC Table Size	8k
Backplane bandwidth	4.8Gbps
Switch Delay	<5μs
Interface	
100M ports	Port numbers:24

24x10/100M ports rackmount layer 2 managed industrial Ethernet switch

	Connector: 1×9 fixed optical port (single/multimode optional, SC/FC/ST interface)& self-adaptive RJ45 100M -TX
	Baud rate: 100Base-FX (optical port), Self-adaption 10/100MBase-TX
Console port	RS232, RJ45
Terminal block for relay alarm	5.08mm terminal block , 1A@24VDC
Terminal block for power input	MIEN6024、MIEN6024-4/8F 7.62mm terminal block MIEN6024-12/16/24F 5.08mm terminal block
Communication distance	
Twisted-pair	100m(CAT5/CAT5e cable)
Multimode fiber	100M multimode: 1310nm, 2km
Singlemode fiber	100M singlemode: 1310nm, 20/40km; 1550nm, 60/80km
LED indicator lights	
Front panel LED lights	Port light: LINK/ACT; SPEED
	System work light: RUN
	Power status light: PWR1; PWR2;
	Alarm light: ALARM
Back panel LED lights	RJ45 Port light: LINK/ACT; SPEED
	Fiber light: LINK/ACT
Power	
Input power	DC110~220V(Wide temperature: DC110~370V) or AC100~240V(Wide temperature: AC85~264V) Support optional DC24V、DC48V
Power consumption	<25W@(MAX)
Overload protection	support
Inversed protection	support
Redundancy protection	Support
Working Environment	
Operating Temperature	-40℃~85℃
Storage temperature	-45℃~85℃
Ambient Humidity	5%~95%
Physical Characteristics	

24x10/100M ports rackmount layer 2 managed industrial Ethernet switch

Shell	IP40 protection,aluminium alloy shell
Installation	Standard 19-inch rack mounting,
Dimension	MIEN6024、MIEN6024-4/8F 482.6mm×44mm×210mm (W×H×D) MIEN6024-12/16/24F 482.6mm×44mm×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	CE,FCC,RoHS

Product Ordering Information

Warranty	
MIEN6024-AD220	24x10/100M RJ45 ports,single power in standard
MIEN6024-4F(M/S)-AD220	4x100M FX ports+20x10/100M RJ45 ports,single power in standard
MIEN6024-8F(M/S)-AD220	8x100M FX ports+16x10/100M RJ45 ports,single power in standard
MIEM6024-12F(M/S)-AD220	12x100M FX ports+12x10/100M RJ45 ports,single power in standard
MIEN6024-16F(M/S)-AD220	16x100M FX ports+8x10/100M RJ45 ports,single power in standard
MIEN6024-24F(M/S)-AD220	24x100M FX ports,single power in standard