MARS2024

24 x 100M Unmanaged Industrial Ethernet Switch

Introduction

MARS2024 industrial Ethernet switches consists of 24 10/100M Ethernet ports and 100M Fiber ports that provide an economical solution for your industrial Ethernet connection. MARS2024 switches have an operating temperature range of -40 to 75°C, and are designed with low consumption and without fan. The rugged hardware design makes the MARS2024 perfect for ensuring that your Ethernet equipment can withstand the rigors of industrial applications.

1.Support IEEE802.3, IEEE802.3u, IEEE 802.3x
2.Store and Forward switching process type
3.Plug-and-play , auto MDI/MDI-X connection
4.Support 8K MAC address
5.10/100BaseT(X)(RJ45)
6.Operating temperature range from -40 to 75°C
7.Designed without fan
8.IP30, rugged high-strength metal case
9.19" 1U standard rack mounting

Specification

Technology

Standard: IEEE802.3, IEEE802.3u, IEEE802.3x
Flow control: IEEE802.3x flow control, Back-pressure based flow control

Exchange attribute

100M forward speed: 148810pps
100M maximum filter speed: 148810pps
Transmit mode: store and forward
System exchange bandwidth: 12.8G
MAC address table: 8K
Memory: 4M

Interface

Electric port: RJ45 connector, 10Base-T/100Base-TX auto speed control, Half/full duplex and MDI/MDI-X

auto detect;

100M fiber port: 100Base-FX, SC/ST/FC connector, support single mode (20/40/60/80Km optional), multi mode (2Km), wavelength: 1310nm, 1550nm

Console port: Reserve

Alarm port: 2 bit terminal block

1 channel relay alarm output

Current loading ability: 5A@250VAC

Transfer distance

Twisted cable: 100M (standard CAT5/CAT5e cable)

Multi-mode: 1310nm, 2/5Km

Single-mode: 1310nm, 20/40/60Km

1550nm, 80/100/120Km

LED indicator

Run indicator: Run

Interface indicator: Link (1~24)

Power supply indicator: PWR

Alarm indicator: Alarm

Power supply

Input Voltage: 100～240VAC/DC

Type of input: 3 bits terminal block

Overload current protection: 1.2A

Consumption

No-load consumption: 9.5W

Full-load consumption: 12.0W

Working environment

Working temperature: -40～75℃

Storage temperature: -40～85℃

Relative Humidity: 5%~95 %(no condensation)

Mechanical Structure

Shell: IP30 protection grade, metal shell

Installation: 19” 1U rack

Size (W×H×D): 441.6mm×45mm×208.9mm

Industry Standard

EMI: FCC Part 15, CISPR (EN55022) class A

EMS: EN61000-4-2 (ESD), Leve 4

EN61000-4-3 (RS), Level 3

EN61000-4-4 (EFT), Level 4

EN61000-4-5 (Surge), Level 4

EN61000-4-6 (CS), Level 3

EN61000-4-8, Level 5

Shock: IEC 60068-2-27

Free fall: IEC 60068-2-32

Vibration: IEC 60068-2-6

Certification

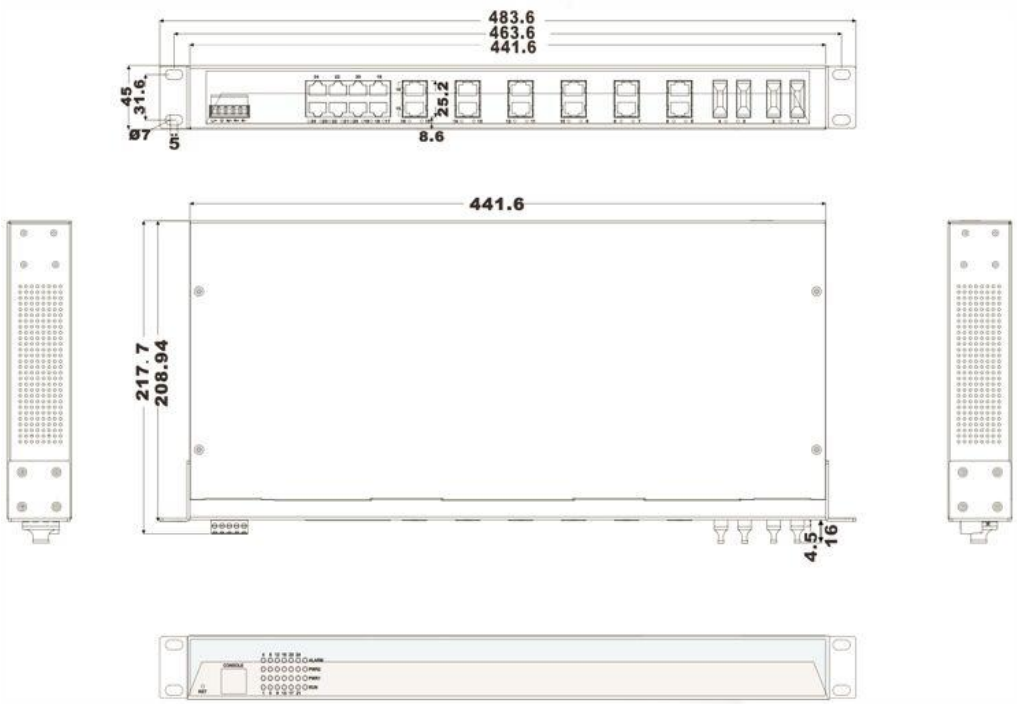
CE, FCC, RoHS, UL508 (Pending)

Warranty: 5 years

Packing list

1. Industrial Ethernet Switch MARS2024 (plus terminal block) × 1
2. User manual × 1
3. Certificate of quality × 1
4. Warranty card × 1
5. Power cable × 1

Dimension



Order Information

MARS2024- _____- _____ - _____ - _____ - _____

Ports	Distance	Connector	FM	PS

Ports		
24TX	=	24 x 10/100BASE-TX RJ45 Port
22TX/2FX	=	22 x 10/100BASE-TX RJ45 Port, 2 x 100BASE-FX fiber Port
20TX/4FX	=	20 x 10/100BASE-TX RJ45 Port, 4 x 100BASE-FX fiber Port
16TX/8FX	=	16 x 10/100BASE-TX RJ45 Port, 8 x 100BASE-FX fiber Port

12TX/12FX	=	12 x 10/100BASE-TX RJ45 Port, 12 x 100BASE-FX fiber Port
8TX/16FX	=	8 x 10/100BASE-TX RJ45 Port, 16 x 100BASE-FX fiber Port
4TX/20FX	=	4 x 10/100BASE-TX RJ45 Port, 20 x 100BASE-FX fiber Port
24FX	=	24 x 100BASE-FX fiber Port

Distance: Fiber Distance

1302	=	1310nm,2km(multimode fiber)
1320	=	1310nm,20km
1340	=	1310nm,40km
1580	=	1550nm,80km

Connector: Fiber Connetor

SC	=	SC Connector
ST	=	ST Connector
FC	=	FC Connector

FM: Fiber Mode

SM	=	Single mode fiber
MM	=	Multi mode fiber

PS: Power Supply

HV	=	100VAC~240VAC,single power input
HV-HV	=	100VAC~240VAC,duel redundant power input

Example Order Codes

MARS2024-20TX/4FX-1320-SC-SM-HV-HV

20 x 10/100BASE-TX RJ45 Port, 4x 100BASE-FX SM SC Port,1310nm,20km,100VAC~240VAC,duel redundant power input