



MARS2028

24 x 100M + 4G Unmanaged Industrial Ethernet Switch



Introduction

MARS2028 industrial Ethernet switches consists of 24 100M ports and 4 Gigabit (SFP slot) ports that provide an economical solution for your industrial Ethernet connection. MARS2028 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 MARS2028 perfect for ensuring that your Ethernet equipment can withstand the rigors of industrial applications.

- 1.Support IEEE802.3, IEEE802.3u, IEEE 802.3x, IEEE802.3z
- 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 75C
- 7.Designed without fan
- 8.IP30, rugged high-strength metal case
- 9.19-inch rack mounting

Specification

Technology

Standard: IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z

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

Exchange attribute

100M forward speed: 148810pps

1000M forward filter speed: 1488100pps

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;

1000M fiber port: 1000Base-FX (SFP port, LC connector)

Console port: Reserve

Alarm port: 2 bit terminal block

1 channel relay alarm output

Current loading ability: 5A@250V AC

Transfer distance

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

LED indicator

Run indicator: Run

Interface indicator: Link (1~24/G1~G4)

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: 5.1W

Full-load consumption: 10.3W

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), Level 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)

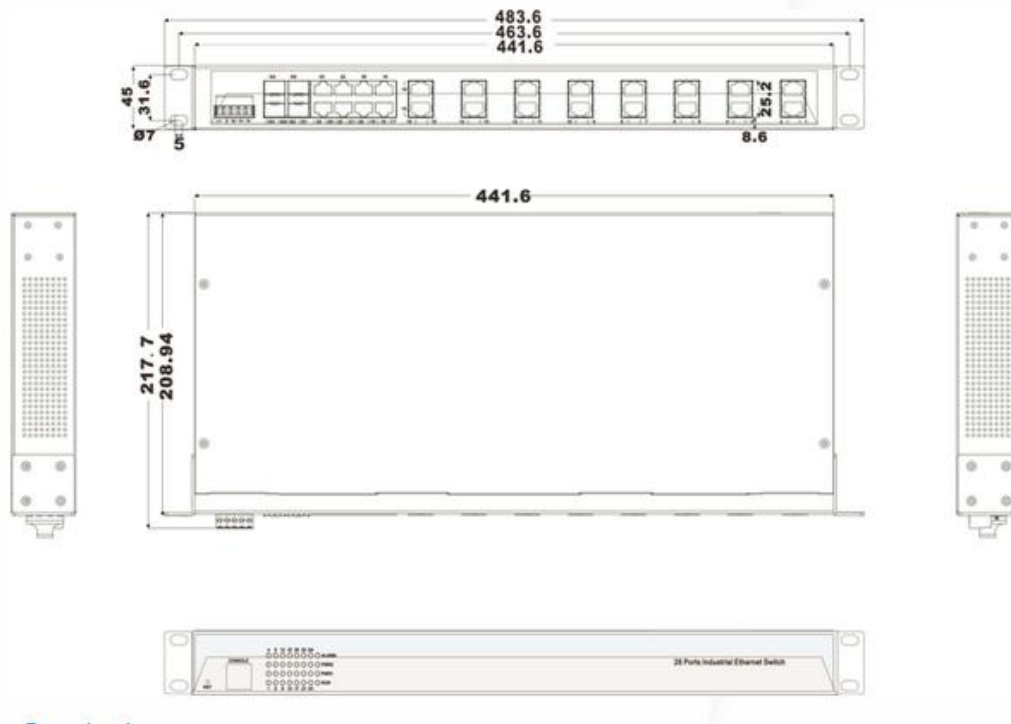
Warranty: 5 years

Packing list



1. Industrial Ethernet Switch MARS2028 (plus terminal block) × 1
2. User manual × 1
3. Certificate of quality × 1
4. Warranty card × 1
5. Power cable × 1

Dimension



Order Information

MARS2028-

Ports	Distance	Connector	FM	PS
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Ports

24TX/4GS	=	24 x 10/100BASE-TX RJ45 Port, 4 x Gigabit SFP Slot
22TX/2FX/4GS	=	22 x 10/100BASE-TX RJ45 Port, 2 x 100BASE-FX fiber Port, 4 x Gigabit SFP Slot
20TX/4FX/4GS	=	20 x 10/100BASE-TX RJ45 Port, 4 x 100BASE-FX fiber Port, 4 x Gigabit SFP Slot
16TX/8FX/4GS	=	16 x 10/100BASE-TX RJ45 Port, 8 x 100BASE-FX fiber Port, 4 x Gigabit SFP Slot
12TX/12FX/4G	=	12 x 10/100BASE-TX RJ45 Port, 12 x 100BASE-FX fiber Port, 4 x Gigabit SFP



S		Slot
8TX/16FX/4GS	=	8 x 10/100BASE-TX RJ45 Port, 16 x 100BASE-FX fiber Port, 4 x Gigabit SFP Slot
4TX/20FX/4GS	=	4 x 10/100BASE-TX RJ45 Port, 20 x 100BASE-FX fiber Port, 4 x Gigabit SFP Slot
24FX/4GS	=	24 x 100BASE-FX fiber Port, 4 x Gigabit SFP Slot

Distance: Fiber Distance

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

Connector: Fiber Connector

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

MARS2028-20TX/4FX/4GS-1320-SC-SM-HV-HV
20 x 10/100BASE-TX RJ45 Port, 4 x Gigabit SFP Slot, 4x 100BASE-FX SM SC
Port,1310nm,20km,100VAC~240VAC,duel redundant power input