



MARS2016

16 x 100M Unmanaged Industrial Ethernet Switch



Introduction

MARS2016 series of industrial Ethernet switches consists of 16-port Ethernet switches that provide an economical solution for your industrial Ethernet connection. The MARS2016 switches have an operating temperature range of -10 to 60°C, and are designed with low consumption and without fan. The rugged hardware design makes the MARS2016 series perfect for ensuring that your Ethernet equipment can withstand the rigors of industrial applications.

1. 16 ports 10/100BaseT(X)(RJ45)
2. Support IEEE802.3/802.3u/802.3x
3. Store and Forward switching process type
4. Support auto negotiation speed, F/H duplex mode, and auto send data control
5. Plug-and-play , auto MDI/MDI-X connection
6. Support 8K MAC address
7. Operating temperature range from -10 to 60°C
8. Designed without fan
9. IP30, rugged high-strength metal case

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: 4.8G

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;

Transfer distance

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

LED indicator

Run indicator: Run

Interface indicator: Link/Act (1~16)

Power supply indicator: PWR

Power supply

Input Voltage: DC100~300V or AC85~264V

Input Current: 0.1A

Overload Current Protection

Connection: 3 bit terminal block

Working environment

Working temperature: -10~60℃

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): 441.6×44.6×206.9mm

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

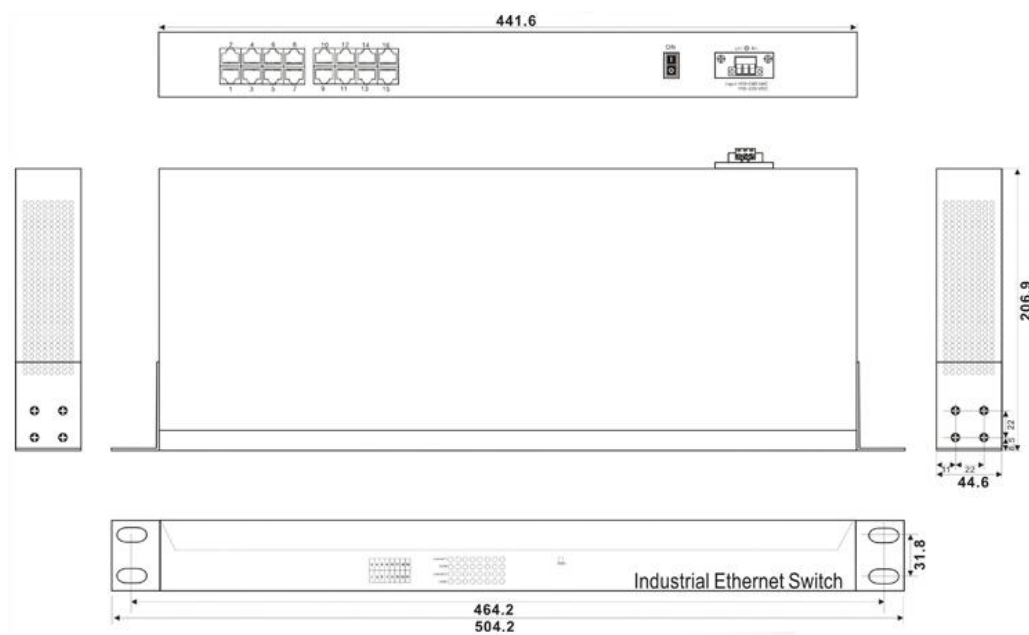
CE, FCC, RoHS

Warranty: 5 years

Packing list

1. Industrial Ethernet Switch MARS2016(plus terminal block) × 1
2. User manual × 1
3. Certificate of quality × 1
4. Warranty card × 1
5. Power cable × 1

Dimension



Order Information

MARS2016- _____ - _____ - _____

Ports PS

Ports

16TX = 16 x 10/100BASE-TX RJ45 Port

PS: Power Supply

HV = 100VAC~240VAC, single power input

HV-HV = 100VAC~240VAC, dual redundant power input

Example Order Codes

MARS2016-16TX-HV-HV

16 x 10/100BASE-TX RJ45 Port, 100VAC~240VAC, dual redundant power input