



MARS1005

5 x 100M Unmanaged Ethernet Switch



Introduction

MARS1005 is a type of unmanaged industrial Ethernet switch with 5 port 10Base-T/100Base-TX Ethernet or port 100Base-FX, supports IEEE802.3, IEEE802.3u, IEEE802.3x standard, can provide economical solution for your network connection. IP40 grade protection ensures reliable work in terrible environment. LED indicator is helpful to monitor and control the status of network connection. It complies with FCC, CE standard. -DIN rail installation and wide operating temperature (-40~75°C), can satisfied some kinds of industrial environment, can provide reliable and quickly solution for your Ethernet device.

- 1.Support 5 port 10Base-T/100Base-TX Ethernet or port 100Base-FX
- 2.Support IEEE802.3/802.3u store and forward
- 3.Support Ethernet 10/100M self-adaption
- 4.12~48VDC wide voltage power supply input
- 5.No fan, low consumption design
- 6.IP40 protection, high strength metal shell, DIN rail mounted
- 7.-40~75°C working temperature

Specification

Technology

Standard: IEEE802.3, IEEE802.3u

Exchange attribute

100M forward speed: 148810pps

100M maximum filter speed: 148810pps

Transmit mode: store and forward

System exchange bandwidth: 1.0G

MAC address table: 2K

Memory: 64K

Interface



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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: 850nm, 1310nm, 1550nm

Transfer distance

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

Multi-mode: 850nm, 2Km; 1310nm, 5Km

Single-mode: 1310nm, 20/40/60Km
1550nm, 80/100/120Km

LED indicator

Run indicator: Run

Interface indicator: Link (1~5)

Power supply indicator: PWR

Power supply

Input Voltage: 24VDC (12~48VDC)

Type of input: 3 bits 7.62mm terminal block

Support inside over-current 4.0A protection

Support opposite connection protection

Consumption

No-load consumption: 1.2W@24VDC

Full-load consumption: 2.0W@24VDC

Working environment

Working temperature: -40~75℃

Storage temperature: -40~85℃

Relative Humidity: 10%~95% (non-condensing)

Mechanical Structure

Shell: IP40 protection grade, metal shell

Installation: DIN rail mounted

Weight: 370g

Size (W×H×D): 136 mm×52mm×105mm

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)

<http://www.lptechical.com>

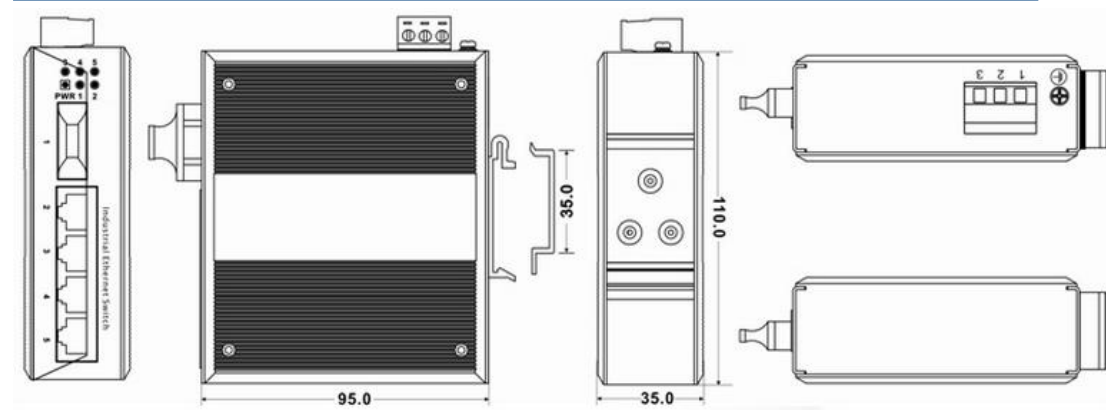


Warranty: 5 years

Packing list

1. Industrial Ethernet Switch MARS1005 (plus terminal block) × 1
2. User manual × 1
3. Certificate of quality × 1
4. Warranty card × 1

Dimension



Order Information

MARS1005-

Ports

Distance

Connector

FM

PS

Ports

5TX	=	5 x 10/100BASE-TX RJ45 Port
4TX/1FX	=	4 x 10/100BASE-TX RJ45 Port, 1 x 100BASE-FX fiber Port
3TX/2FX	=	3 x 10/100BASE-TX RJ45 Port, 2 x 100BASE-FX fiber Port

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

L2 = 12~48VDC, dual redundant power input

Example Order Codes

MARS1005-4TX/1FX-1320-SC-SM-L2

4 x 10/100BASE-TX RJ45 Port, 1 x 100BASE-FX fiber Port, 1310nm 20km, single mode, SC, 12~48VDC, dual redundant power input