



MARS1005G

5 Port Full Gigabit Unmanaged Ethernet Switch



Introduction

MARS1005G is a kind of gigabit unmanaged Industrial Ethernet switch, it support 5 port 10/100/1000M RJ45 port, DC power supply (12-48V). It adopted no fan, low power consumption design, IP30, corrugate high strength iron shell, the performance is more steadily. IES205G accorded with CE, FCC standard and Industrial 4 grades, DIN rail installation and wide operating temperature (-25~70℃), it can satisfied some kinds of industrial environment, it can provide reliable and quickly solution for your Ethernet device.

- 1.Support 5port 10/100/1000M Ethernet port (RJ45)
- 2.Support IEEE802.3/802.3u/802.3z/802.3ab
- 3.Support 10/100M/1000M Ethernet, full/half duplex, MDI/MDI-X self-adaption.
- 4.Redundant 24VDC(12~48VDC) power input, built-in over-current protection,reverse connection protection
- 5.-25~70℃ operating temperature
- 6.No fan, low power consumption design
- 7.IP30 protection grade, high strength iron shell.

Specification

Technology

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

Exchange attribute

100M forward speed: 148810pps

1000M forward filter speed: 1488100pps

Transmit mode: store and forward

System exchange bandwidth: 12G

MAC address table: 1K

Memory: 1M

Interface



Gigabit Ethernet port: RJ45 connector, 10Base-T/100Base-TX/1000Base-TX auto speed control, Half/full duplex and MDI/MDI-X auto detect;

Transfer distance

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

LED indicator

Interface indicator: Link(1-5)

Power indicator: PWR

Power supply

Power input: 24VDC(12~48VDC)

Type of input: 3 bits 7.62mm terminal block

Support over-current protection

Support reverse connection protection

Consumption

No-load power consumption: 0.7W@24VDC

Full-load power consumption: 3.6W@24VDC

Working environment

Working temperature: -25~70℃

Storage temperature: -40~85℃

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

Mechanical Structure

Shell: IP30 protection grade, metal shell

Installation: DIN-Rail mounted

Weight: 350g

Dimension(W×H×D): 102 mm×91mm×35mm

Industry Standard

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 MARS1005G(plus terminal block) × 1
2. User manual × 1
3. Certificate of quality × 1
4. Warranty card × 1



Technical drawing of the Industrial Ethernet Switch showing front, side, and rear views with dimensions.

- Front View:** Shows the top panel with a handle, two rows of ventilation slots, and a label "Industrial Ethernet Switch". Dimensions: 35.00 mm (width), 95.00 mm (depth), 110.00 mm (height).
- Side View:** Shows the side profile of the device.
- Rear View:** Shows the rear panel with a handle, two rows of ventilation slots, and a label "Industrial Ethernet Switch". Dimensions: 35.00 mm (width), 95.00 mm (depth), 110.00 mm (height).

MARS1005G-	Ports	PS

5GT = 5 x 10/100/1000BASE-TX RJ45 Port

L2 = 24VDC(12~48VDC, duel redundant power input

MARS1005G-5GT-L2

5 x 10/100/1000BASE-TX RJ45 Port, 24VDC(12~48VDC), dual redundant power input