



MARS1006G

6 Port Full Gigabit Unmanaged Ethernet Switch



Introduction

MARS1006G is a kind of industrial, unmanaged, gigabit Ethernet switch. It supports 4 port 10Base-T/100Base-TX/1000Base-TX Ethernet port and 2 port 1000Base-X SFP fiber port, no fan, low consumption design, working function more steadily. It accorded with FCC, CE standard, industrial design requirement, it can work steadily in $-40^{\circ}\text{C}\sim 75^{\circ}\text{C}$ working temperature, it can provide reliable and quickly solution for your Ethernet device.

- 1.Support IEEE802.3/IEEE802.3u/IEEE802.3x/IEEE802.3z store and forward
- 2.Support 4 port 10Base-T/100Base-TX/1000Base-TX and 2 port1000Base-X SFP gigabit port
- 3.Ethernet port support full/half duplex mode, MDI/MDI-X
- 4.Support 12~48VDC power input, built-in over-current protection, reverse connection protection
- 5.Working temperature: $-40^{\circ}\text{C}\sim 75^{\circ}\text{C}$
- 6.No fan, low consumption, Industrial design standard
- 7.IP40 protection grade, high strength iron shell, DIN-rail mount

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: 12G

MAC address table: 1K

Memory: 1M

Interface

Electric port: RJ45 connector, 10Base-T/100Base-TX/1000Base-TX auto speed control, Half/full duplex



and MDI/MDI-X auto detect;

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

Transfer distance

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

LED indicator

Ethernet port: 1, 2, 3, 4

Fiber port: G1, G2

Power: PWR1/PWR2

Power supply

Input Voltage: 24VDC(12~48VDC)

Type of input: 4 bits 7.62mm terminal block

Support dual power supply redundancy

Support over-current protection

Support reverse connection protection

Consumption

No-load power consumption:1.440W@24VDC

Full-load power consumption: 4.344W@24VDC

Working environment

Working temperature: -40~75℃

Storage temperature: -40~85℃

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

Mechanical Structure

Shell: IP40 protection grade, metal shell

Installation: DIN-Rail mounted

Weight: 690.8g

Dimension (W×H×D) :138mm×53mm×110mm

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

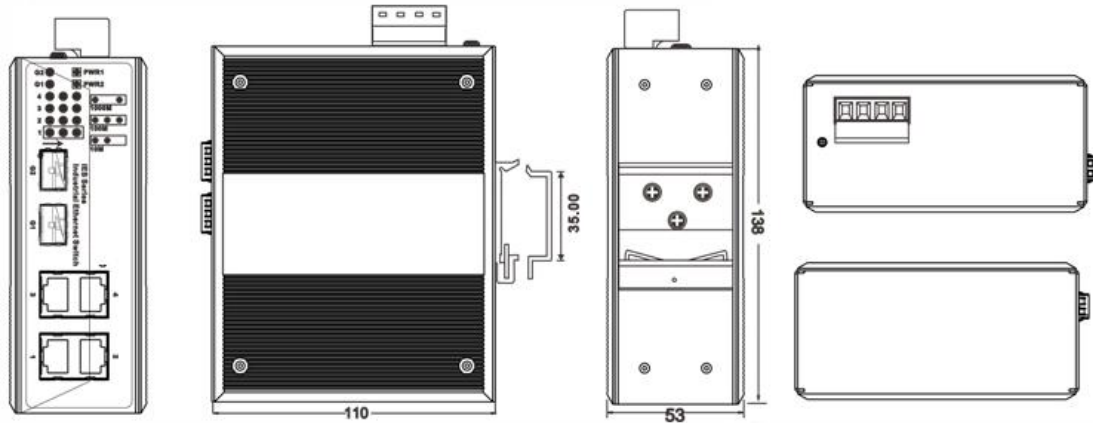
Packing list

1. Industrial Ethernet Switch MARS1006G(plus terminal block) × 1
2. User manual × 1



- 3. Certificate of quality × 1
- 4. Warranty card × 1

Dimension



Order Information

MARS1006G- _____ - _____
Ports PS

Ports

4GT/2GS = 4 x 10/100/1000BASE-TX RJ45 Port, 2 x Gigabit SFP Slot

PS: Power Supply

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

Example Order Codes

MARS1006G-4GT/2GS-L2

4 x 10/100/1000BASE-TX RJ45 Port, 2 x Gigabit SFP Slot, 24VDC(12~48VDC), duel redundant power input