

# **LP Technical Development Ltd**

# **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°C), 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
- $3. Support\ 10/100M/1000M\ Ethernet,\ full/half\ duplex,\ MDI/MDI-X\ self-adaption.$
- ${\it 4.} Redundant\ 24 VDC (12 \sim 48 VDC)\ power\ input,\ built-in\ over-current\ protection, reverse\ connection$  protection
- 5.-25 $\sim$ 70 °C 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



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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:  $-25 \sim 70^{\circ}$ C Storage temperature:  $-40 \sim 85^{\circ}$ C

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

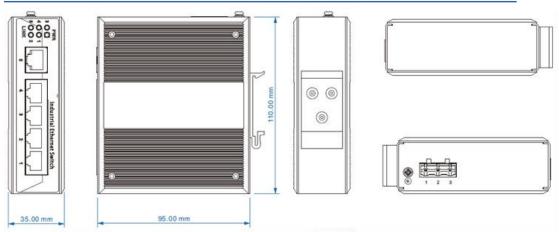
3. Certificate of quality × 1

4. Warranty card × 1



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## **Dimension**



## **Order Information**

MARS1005G-			
	Р	orts	PS
<u>Ports</u>			
5GT	=	5 x 10/1	00/1000BASE-TX RJ45 Port
PS: Power Supply			
L2	=	24VDC(	12 $\sim$ 48VDC, duel redundant power input

## Example Order Codes

## MARS1005G-5GT-L2

 $5 \times 10/100/1000$ BASE-TX RJ45 Port, 24VDC(12 $\sim$ 48VDC), duel redundant power input