



**MES-308: 8\*GE Copper Unmanaged Industrial Ethernet Switch**  
**Size: 103\*100\*41mm(mini type)**

### Overview

The MES-308 is a compact unmanaged industrial Ethernet switch series specially designed for industrial automation. It can work closely with branded PLC like like Siemens and Inovance...Utilizing die-cast aluminum material, fanless, low power consumption, wide temperature and voltage design, and passing rigorous testing in compliance with industry standards, this industrial switch is capable of meeting the demanding EMC requirements of industrial environments. It boasts reliable industrial-grade design features such as anti-vibration, anti-impact capabilities, and IP40 protection. Compact yet robust, this switch has been widely deployed in industrial automation, logistics warehousing, robotics, new energy, transportation, environmental protection, military, and other fields, making it one of the preferred in the industry.

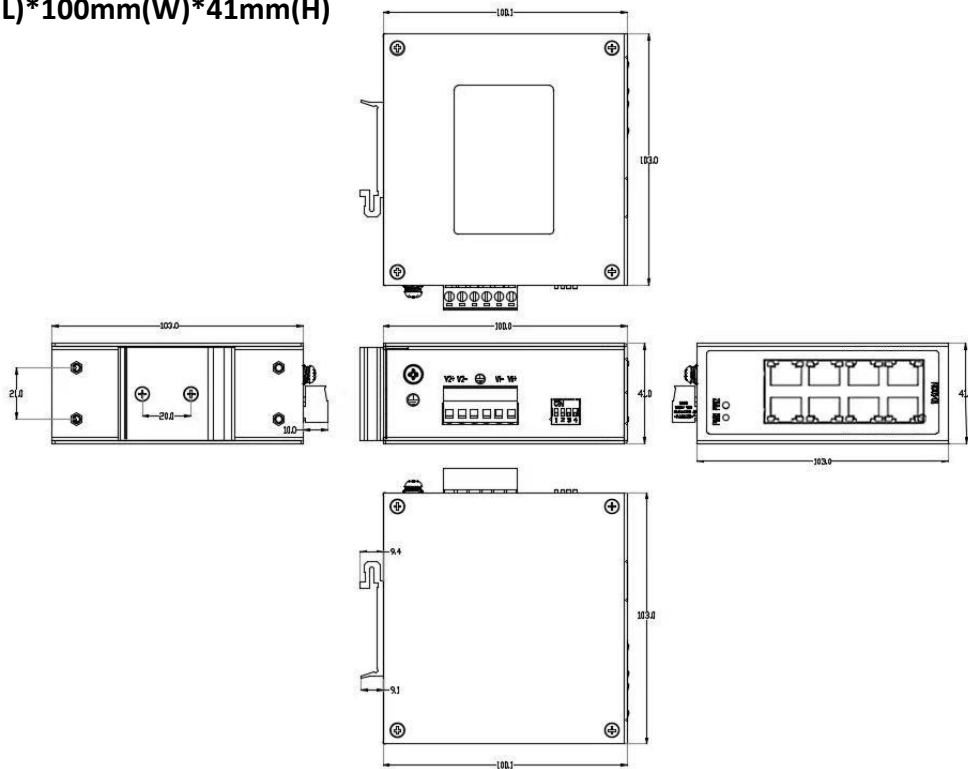
### Specification

Interface and Indicators	
Service Ports	Ethernet ports: 8 * 10/100Base-T/1000Base-TX ports(1*2x4 RJ-45 ports), self adaptive RJ-45 ports, full/half duplex mode, auto MDI/MDI-X connection
	Power interface: 6-contact terminal block with 5.08mm spacing, dual DC power redundancy
	4-digit DIP: can be used for port isolation, VLAN division etc.(customized upon requirement)
LED Indicators	Power: PWR (Green)
	RJ45: yellow light on is Link/Act, off is Link-down, blinking is Link-up and receiving data; green light on means the network speed is 1000M, green light is not on means that the network speed is 10M or 100M.
Transmitting Distance	
Twisted Pair	10BASE-T: Cat3, 4, 5 UTP cable(≤250 m)
	100/1000BASE-T(X): Cat5 or later UTP cable(≤100 m)

<b>Standards</b>	
Ethernet Standards	IEEE802.3-10BaseT
	IEEE802.3u-100BaseTX/100Base-FX
	IEEE802.3ab-1000BASE-T
	IEEE802.3x-Flow Control
	IEEE 802.3z-1000Base-X
EMI	FCC Part 15 Subpart B Class A, EN 61000-6-4 (Industrial)
EMS	IEC 61000-4-2 (ESD), Level 4 IEC 61000-4-3 (RFS), Level 3 IEC 61000-4-4 (EFT), Level 4 IEC 61000-4-5 (Surge), Level 4 IEC 61000-4-6 (CS), Level 3 IEC 61000-4-8
Shock	IEC 60068-2-27
Free Fall	IEC 60068-2-32
Vibration	IEC 60068-2-6
<b>Power Parameters</b>	
Input Voltage	DC12 ~ 48V
Power	None-load standby power<1W, full-load power<65W
Dual Power Redundancy	Supported
Reverse Polarity Protection	Present
<b>Switch Properties</b>	
Transmission Mode	Store-and-forward(full wire speed)
MAC Table Size	4096
Packet Buffer Size	1.5Mbit data frames
Backplane Bandwidth	16G(none blocking)
Packet Forwarding Rate	23.8Mpps
Jumbo Frames	9216Bytes
<b>Environment Limits</b>	
Operating Temperature	-40~+80°C
Storage Temperature	-40~+85°C
Ambient Relative Humidity	5%~95% (non-condensing)
<b>Physical Characteristics</b>	
IP Rating	IP40, outdoor cast aluminum shell
Dimensions	103mm*100mm*41mm
Weight	0.7 kg
Installation	DIN rail
Warranty Period	3 years

### Outlook and Dimension

**Size: 103mm(L)\*100mm(W)\*41mm(H)**



### Ordering Information

Model	Description
MES-308	<p>8GE unmanaged mini Industrial Ethernet Switch            8*10/100/1000M RJ45 copper ports            Unmanaged industrial type,            Power supply: DC12V~48V            Wide operating temperature:-40°C~80°C;            IP40 aluminum shell;            DIN rail mounting;            Size:103mm*100mm*41mm</p>