

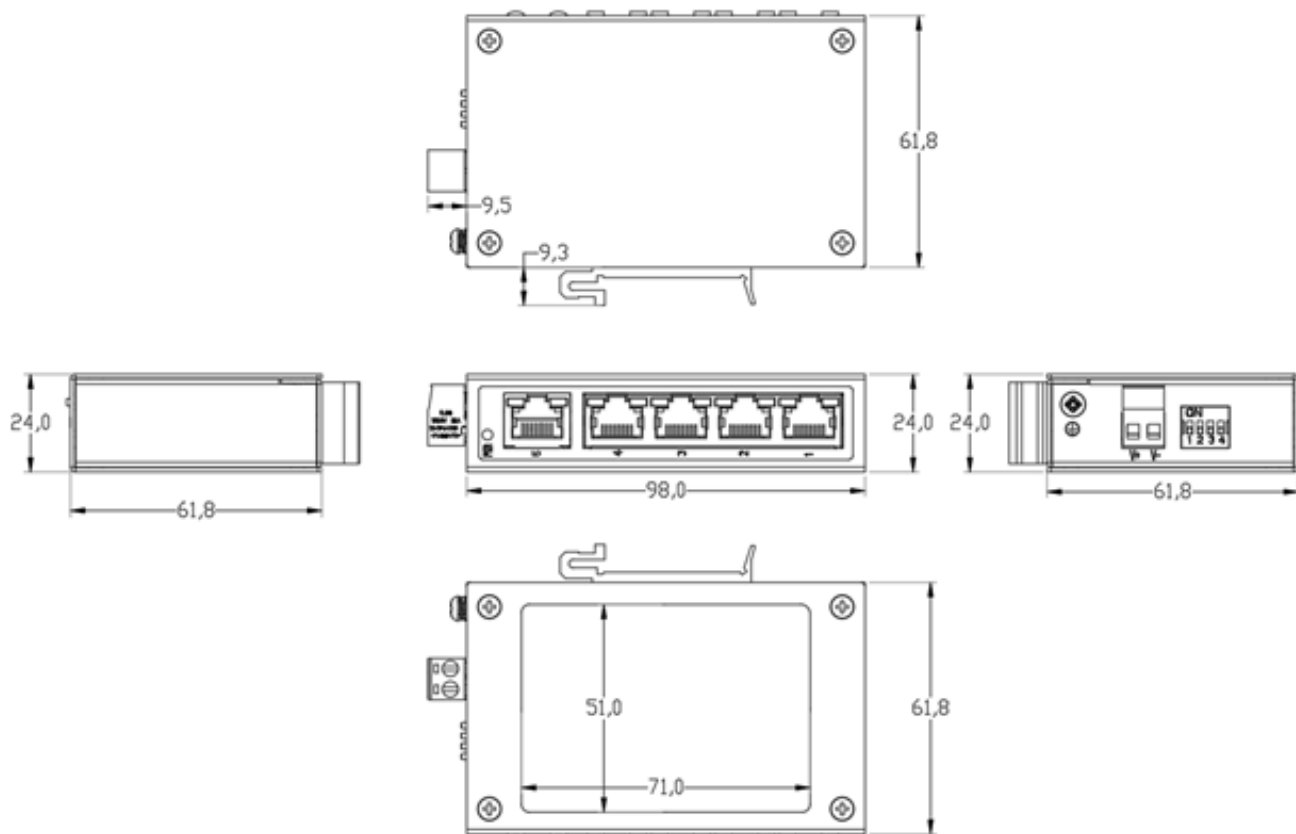


MES-205-DIP is a compact unmanaged industrial Ethernet switch series specially designed for industrial automation. It can work closely with branded PLC, such as Siemens and Inovance. Utilizing die-cast aluminum material, fanless, low power consumption, wide temperature and voltage design, and passing 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 brands in the industry.

Interface and Indicators	
Service Ports	Ethernet ports: 5* 10/100Base-T ports, self adaptive RJ45 ports, full/half duplex mode, auto MDI/MDI-X connection
	Power interface: 2-contact terminal block with 5.08mm spacing
	4-digit DIP switch: can be used for port isolation, VLAN division, QoS. etc.(customized upon requirement)
DIP Function	<p>4-digit DIP Switch: customized upon requirement, the following functions are preset by default.</p> <p>0000: Dumb Switch, no special function.</p> <p>1000: BSP (Broadcast Storm Protection: suppress unknown unicast packets, unknown multicast packets, broadcast packets)</p> <p>0100: QoS (Quality of Service: the larger port, the higher priority)</p> <p>0010: VLAN (downlink ports are isolated from each other and can only communicate with uplink port)</p> <p>1100: Flow control (adjusting speed to ensure no packet loss)</p> <p>1110: Downlink ports are forced 10M, and can transmit 250 meters</p> <p>0001: Reset, hot restart the device.</p>
LED Indicators	Power: PWR (Green)
	ACT: yellow light on is Link/Act, off is Link-down, blinking is Link-up and receiving data;
	SPD: Reserved function
Transmission Distance	
Twisted Pair	<p>10BASE-T: Cat3, 4, 5 UTP cable(≤250 m)</p> <p>100BASE-TX: Cat5 or later UTP cable(≤100 m)</p>

Standards	
Ethernet Standards	IEEE802.3-10BaseT
	IEEE802.3u-100BaseTX
	IEEE802.3x-Flow Control
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
Power Parameters	
Input Voltage	DC12 ~ 48V
Power	Standby power < 0.5W, full load < 1.5W
Reverse Polarity Protection	Present
Switch Properties	
Transmission Mode	Store-and-forward (Non-blocking wire-speed)
MAC Table Size	2K
Packet Buffer Size	1Mbit
Switching Capacity	1Gbps (none blocking)
Packet Forwarding Rate	0.74Mbps
Jumbo Frames	2048 bytes
Environment Limits	
Operating Temperature	-40~+85°C (-40~+185°F)
Storage Temperature	-40~+85°C (-40~+185°F)
Ambient Relative Humidity	5%~95% (non-condensing)
Physical Characteristics	
IP Rating	IP40, outdoor cast aluminum shell
Dimensions	24mm*98mm*61.8mm
Weight	0.13kg
Installation	DIN rail
Warranty Period	3 years

Dimensions 24mm*98mm*61.8mm



Order Information

Model	Description
MES-205-DIP	5FE mini unmanaged Industrial Ethernet Switch 5*10/100M RJ45 copper ports Unmanaged industrial type, 4-digit DIP Dialing Function Power supply: DC12V~48V Wide operating temperature: -40°C ~ 85°C; IP40 aluminum shell; DIN rail mounting; Size: 24mm*98mm*61.8mm