MES2105

5-Port Layer-2 100M Unmanaged Embedded Industrial Ethernet Switch

- Support 1/2/3x100M fiber ports and 4/3/2x100M copper ports optional, providing users with flexible networking methods
- Fiber port supports SC/FC/ST connectors, single-mode/multi-mode, wavelength, and transmission distance are optional.
- 10/100Base-(Tx) port support full/half duplex and auto MDI/MDI-X
- Support DC9~24V power input and complies with intrinsically safe circuit design standards
- Support -40℃~+85℃ operating temperature

CE   FC   RoHS

⬙ Product Description

The MES2105 series is a 5-port Layer 2 100M unmanaged embedded industrial Ethernet switch for industrial communication network applications. It meets intrinsically safe design requirements. This series of products provides 5x100M Ethernet ports with various interface combinations such as x100M fiber port +4x100M copper ports, 2x100M fibers + 3 x100M copper ports, and 3x100M fiber ports + 2x100M copper ports. It supports DC9~24V input voltage, and the power supply supports anti-reverse connection and buffering.   over-current and over-voltage protection. Each 100M copper port has 10/100M adaptive function, supports full-duplex or half-duplex mode, and can automatically perform MDI/MDI-X connection, making industrial communications smoother and more efficient, reliable and faster. It meets the needs of customers for continuous innovation to improve value-added applications. The hardware adopts fanless, intrinsically safe, wide-temperature design, compact size, selected industrial-grade components, and supports -40~+85℃ operating temperature. The power supply meets the requirements of intrinsically safe circuit design standards and has passed strict safety regulations and EMC tests to meet the application requirements of harsh industrial environments. Products can be widely used in industrial automation, integrated energy, intelligent transportation, smart cities, smart mines and other fields.

☰ Specification

Interface	
Processing Type	Store-and-Forward
Backplane Bandwidth	1Gbps
Buffer Size	96KB
MAC Table Size	2K

Interface	
100M Fiber Port	1/2/3*100Base-FX fiber port are optional, supporting SC/FC/ST connectors, single-mode/multi-mode, wavelength, and transmission distance.
100M Copper Port	4/3/2*10/100Base-T(X) adaptive copper port optional, supporting full/half duplex, auto MDI/MDI-X
Status LED	Power supply status LED Interface status LED Support external export of status LED signal

Power Supply	MES2105-F	MES2105-2F	MES2105-3F
Input Voltage	DC9~24V		
Power Consumption	＜1.53W@DC12V	＜1.92W@DC12V	＜2.4W@DC12V
Connection	2-pin 5.08mm pitch terminal blocks		

Physical Characteristics		
Dimensions	76×66×33.2mm	76×66×31.1mm
Installations	Embedded installation	
Weight	About 88g	About 93.5g	About 98g

Working Environment	
Operating Temperature	-40℃~+85℃
Storage Temperature	-40℃~+85℃
Relative Humidity	5%~95%(non-condensing)

Industrial Standard

MAIWE

☑≡ Specification

Certification	CE, FCC, RoHS

Dimensions

Unit:mm

MES2105-F
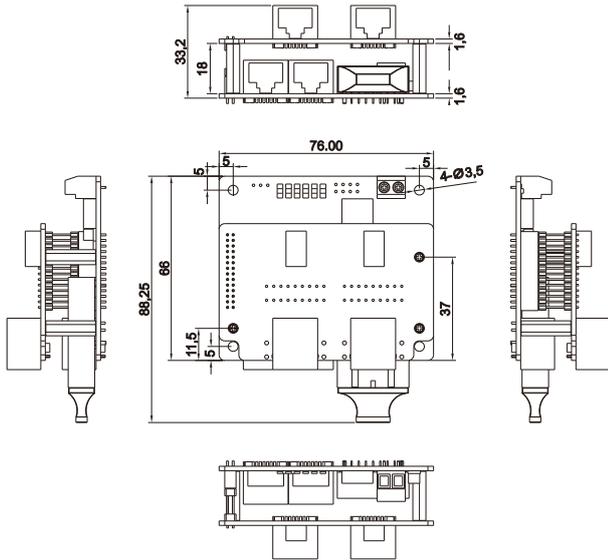
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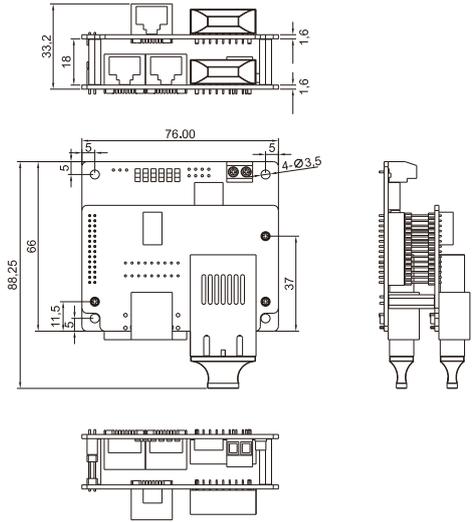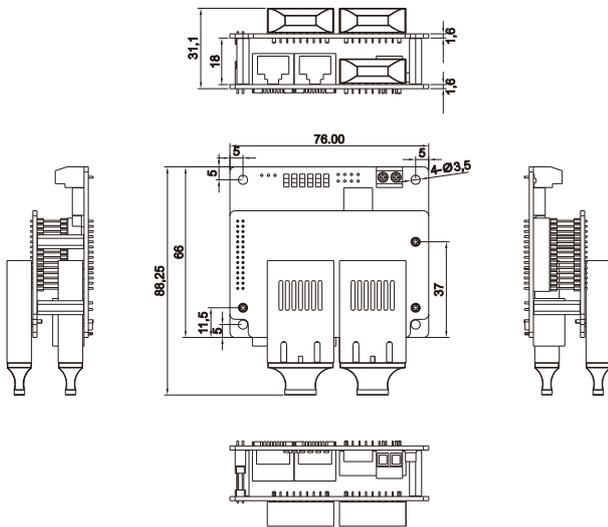
MES2105-3F

🛒 Ordering Information

Standard Model	100M Fiber Port	100M Copper Port	Input Voltage
MES2105-F(M/S)	1	4	
MES2105-2F(M/S)	2	3	DC9~24V
MES2105-3F(M/S)	3	2	

📞 Contact Us

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