

MES3105 Series

3/5 ports full Gigabit layer two Embedded industrial Ethernet switch

- Support 1 / 2 / 3 gigabit light port and 4 / 3 / 2 gigabit power port optional, providing users with flexible networking mode
- Gigabit light port supports single mode / multimode, SC / FC / ST, wavelength, transmission distance optional
- The electrical port supports 10 / 100 / 1000M, full / half duplex, MDI / MDI-X adaptation
- Support for Jumbo giant frame transmission, the maximum frame length of 9216 bytes
- Support DC6~32V power input, support anti-reverse connection, slow start, overcurrent and overvoltage protection, in line with the basic safety circuit design standards
- Support -40°C ~ + 85°C working temperature, to meet the needs of industrial environment application





Product Description

MES3105 Series is an embedded industry for two layer non-network pipe ore fully designed and developed by Maiwe Communications for industrial communication network applications Ethernet switch, in line with the intrinsically safe design requirements. This series of products support 3 / 5 gigabit Ethernet interface, can choose 1 fiber and 2 copper, 1 fiber 4 power, 2 light 3 copper, 3 fiber and 2 cobber and other interface combination, support 1 DC6~32V power input, power supply support anti-reverse connection, slow start, over current and over voltage protection, using embedded installation, to meet the needs of a variety of network field. Each gigabit port has adaptive function, supports full duplex or semi-duplex mode, and can automatically conduct MDI / MDI-X connection, providing a strong guarantee for industrial automation, making industrial communication more smooth, more reliable, more fast, to meet the needs of customers to improve the value-added applications. The hardware adopts fanless, safety type, wide temperature design, small size, selected industrial components, support-40~ + 85℃ working temperature, power supply meets the requirements of safety circuit design standards, through strict safety regulations and EMC test, to meet the harsh industrial environment application needs. The products can be widely used in industrial automation, comprehensive energy, intelligent transportation, smart city, smart mining and other fields.



Specification

Exchange performance	
Operation Mode	store-and-forward
Backplane Bandwidth	14G
Buffer Size	2Mbit
MAC Table Size	2K
Interface specifications	
1G Fiber Port	1 / 2 / 3 road 1000Base-X Gigabit fiber port optional, support SC / FC / ST interface optional, single mode / multimode optional
1G Copper Port	4 / 3 / 2 road 10 / 100 / 1000Base-T (X) Adaptive Gigabit RJ 45 port optional, support full / half duplex, MDI / MDI-X adaptation
Status LED	Power indicator, interface indicator, support indicator outside lead
Power Supply	
Input Voltage	DC6~32V
Full of power consumption	< 2.5W@DC12V
Connection	2-bit 5.08mm spacing wiring terminals
Protection	Anti-reverse connection, slow start, overcurrent protection, overvoltage protection
Dimensions	
Physical size	1 fiber 2 Copper: 76×66×13.6(mm) 1 fiber 4 Copper、2 fiber 3 Copper: 76×66×33.2(mm) 3 fiber 2 Copper: 76×66×31.1(mm)
Installations	Embedded installation
Weight	About 0.1kg
Working Environment	
Working temperature	-40℃~+85℃
Storage temperature	-40℃~+85℃
Relative humidity	5%~95%(No condensation)
Industry Standard	



Specification

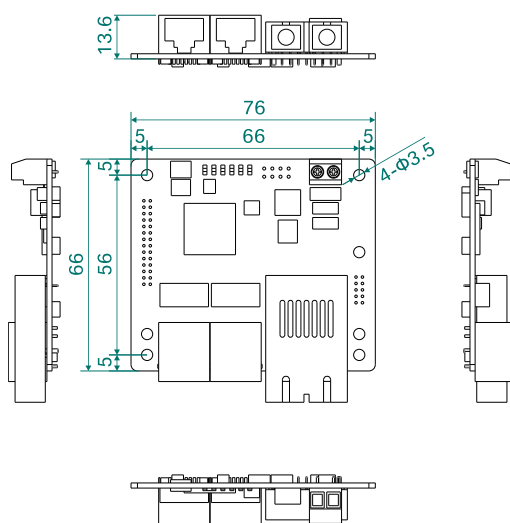
EMC	IEC 61000-4-5 (Surge): Level 2 IEC 61000-4-4 (EFT): Level 3
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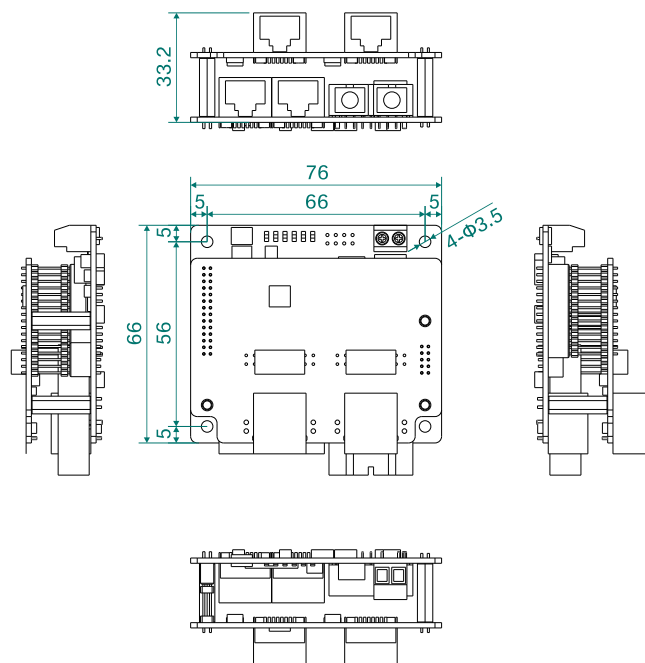
Dimensions

Unit: mm

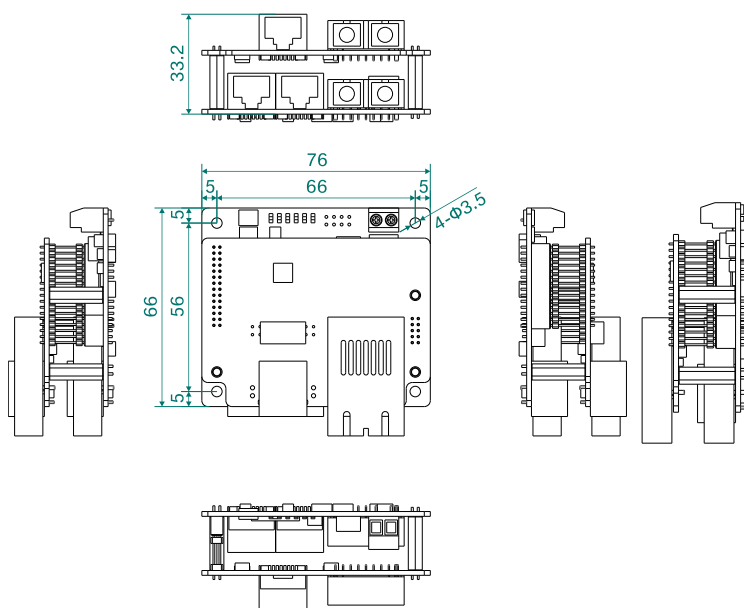
MES3103-GS-SC20-GT



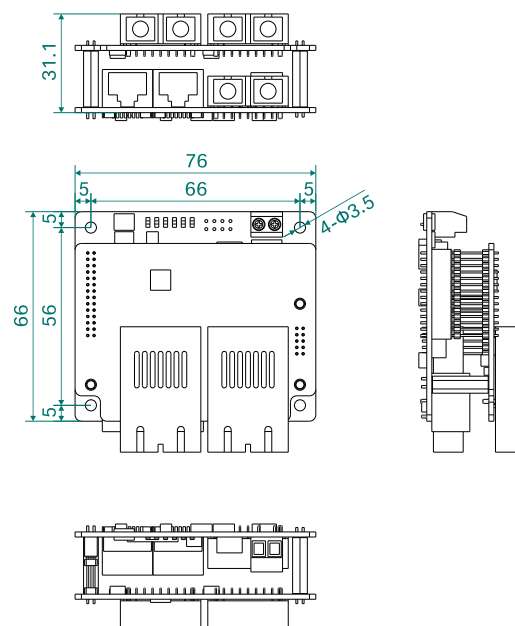
MES3105-GS-SC20-4GT



MES3105-2GS-SC20-3GT



MES3105-3GS-SC20-2GT





Ordering Information

Standard Model	1G Fiber port	1G Copper port	Input Voltage
MES3103-GS-SC20-2GT	1	2	DC6~32V
MES3105-GS-SC20-4GT	1	4	
MES3105-2GS-SC20-3GT	2	3	
MES3105-3GS-SC20-2GT	3	2	



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