5FE Copper Unmanaged PoE Industrial Switch with Voltage Booster
Size: 65 x 121 x 29.5mm

Overwiew

The MES-1205-M12 IP68-rated industrial Ethernet switches are designed for harsh industrial applications. Tightly connecting the switch with a secure M12 connector ensures stable operation of network devices without worrying about problems caused by external interference, such as vibration and shock common in the transportation industry. The MES-1205-M12 switch's rugged design, which takes up little space, is suitable for installation in any occasion, and the wide temperature (-40 to +85°C) model is also suitable for extremely harsh weather. The MES-1205-M12 series industrial Ethernet switches meet specifications of EN 50155, including operating temperature, power input voltage, surge, ESD and vibration, making them suitable for a variety of industrial applications.

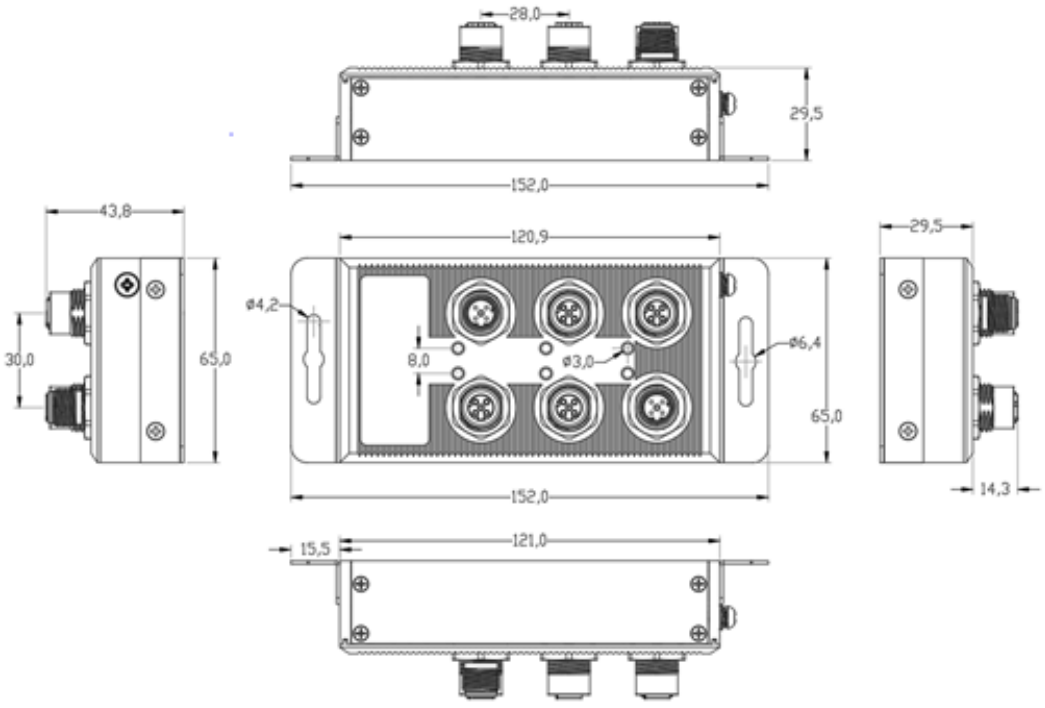
Features

- 5*10/100BaseT(X) M12 copper ports, 4-core M12 (D-coded). Full-duplex/half-duplex mode and MDI/MDI-X adaptive connection.
- IP68 protection level.
- DC12V~DC24V power supply.
- Inbuilt with voltage booster, can support standard PoE/PoE+, total PoE budget is Max Power 48W@DC12V or 96W@DC24V, allow 2pcs of X6005P-MT-12/24V in daisy chain if the input is DC12V, 4pcs in daisy chain if the input is DC24V, the connection number of PDs is decided by power consumption of the PDs
- Port F1~F4 downlink M12 D code female FE copper PoE/PoE+, all can be used for PoE out. Port F5 M12 D code male uplink connector used for PoE in.
- Supports IEEE 802.3af/at
- Can work in the temperature range -40°C ~ +85°C

Specifications

Ports	1 * 10/100 Base-T(X) M12 D coded male copper uplink Ethernet ports 4 * 10/100 Base-T(X) M12 D coded female copper downlink Ethernet ports Automatic detection, full/half duplex MDI/MDI-X self adaptive
	1 * M12 A coded male power input port
Ethernet Standards	IEEE 802.3: 10Base-T Ethernet; IEEE 802.3u: 100Base-TX Fast Ethernet; IEEE 802.3x: Follow Control
Compliance	EN50155
MTBF	300,000 hours
Warranty	3 years
Industry Standards	
EMI	CISPR 32, FCC Part 15B Class A
EMC	EN 55032/24
EMS	IEC(EN)61000-4-2(ESD): ± 6kV touch discharge, ± 8kV air discharge
	IEC(EN)61000-4-3(RS): 20V/m(80～1000MHz)
	IEC(EN)61000-4-4(EFT) : power cable: ±2kV Data cable: ±2kV
	IEC(EN)61000-4-5(Surge) : power cable: ±2kV Data cable: ±2kV
	IEC(EN)61000-4-6(Radio frequency conduction) : 3V(10kHz~150kHz), 10V(150kHz~80MHz)
	IEC(EN)61000-4-8 PFMF
Shock	IEC 60068-2-27
Free Fall	IEC 60068-2-32
Vibration	IEC 60068-2-64
Power Consumption	<5W
Working Temperature	
Working Temperature	-40~85°C(-40~185°F)
Storage Temperature	-40~85°C(-40~185°F)
Relative Humidity	5%~95% without condensation

PoE Features	
PoE Standards	IEEE802.3af/ IEEE802.3at
PoE Ports	5 ports supports PoE/PoE+, automatically detects the standards of devices like IEEE802.3af or IEEE802.3at
Output Power	IEEE 802.3af: max. 15.4W/port
	IEEE 802.3at: max. 30W/port
	Max. total output power for PD: 48W@DC12V input (normal room temp.) 96W@DC24V input(normal room temp.)
POE Priority	When power >max. Power(different input has a max. Power in accordance with that input), POE priority: port No.1>port No.2>port No.3 and so on
Power Parameters	
Input Voltage	DC12~24V
Mechanical Features	
Shell	IP68, aluminum enclosure
Installation Method	Wall mounted
Cooling Method	Natural cooling, fanless
Size	65 x 121 x 29.5mm
LED Indication	
Power Indicator	PWR
Interface Indicator	Copper ports(Link/ACT)



Ordering Information

Model	Description
MES-1205-M12	5* 10/100BASE-T M12 copper ports, unmanaged type, 4 ports support PoE/PoE+, DC12~24V input, including M12 aviation connectors, industrial grade wall mounted, IP68, aluminum shell