

DataSheet

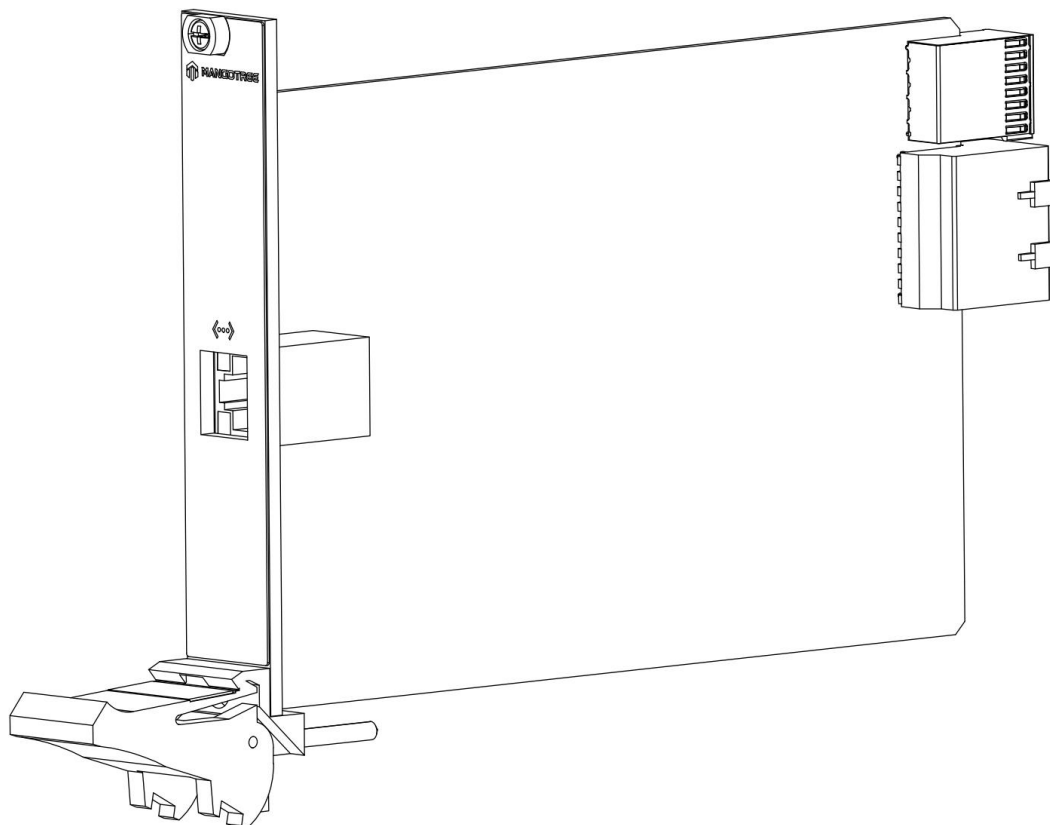
MT-X301

1-Port, 1000 Fast Ethernet Module

This document contains the specifications for MT-X301. Specifications are typical at 25°C unless otherwise noted.



Caution Using the MT-X301 in a manner not described in this document may impair the protection the MT-X301 provides.



Characteristics

The following specifications are typical for the range -40 °C to 70 °C unless otherwise noted.

Port	RJ45
EtherCAT	support
Ethernet	1000Base-T compatible
Transmission speed	1000Mbps maximum

Power Requirements

Power consumption from chassis	625 mW max
Thermal dissipation (at 70 °C)	1 W max

Safety Voltages

This product is designed to meet the requirements of the following electrical equipment safety standards for measurement, control, and laboratory use:

- IEC 61010-1, EN 61010-1
- UL 61010-1, CSA C22.2 No. 61010-1

CE Compliance

This product meets the essential requirements of applicable European Directives, as follows:

- 2014/35/EU; Low-Voltage Directive (safety)
- 2014/30/EU; Electromagnetic Compatibility Directive (EMC)
- 2014/34/EU; Potentially Explosive Atmospheres (ATEX)

Shock and Vibration

To meet these specifications, you must panel mount the system.

Operating vibration	
Random (IEC 60068-2-64)	5 g _{rms} , 10 Hz to 500 Hz
Sinusoidal (IEC 60068-2-6)	5 g, 10 Hz to 500 Hz

Operating shock (IEC 60068-2-27)

30 g, 11 ms half sine; 50 g, 3 ms half sine;
18 shocks at 6 orientations

Environmental

Refer to the manual for the chassis you are using for more information about meeting these specifications.

Operating temperature

-40 °C to 70 °C
(IEC 60068-2-1, IEC 60068-2-2)

Storage temperature

-40 °C to 85 °C
(IEC 60068-2-1, IEC 60068-2-2)

Ingress protection

IP40

Operating humidity (IEC 60068-2-78)

10% RH to 90% RH, noncondensing Storage

humidity (IEC 60068-2-78)

5% RH to 95% RH, noncondensing Pollution

Degree

2

Maximum altitude

5,000 m

Indoor use only.

Support

MT-Master上手指南:

<https://server.mangotree.cn:9900/WebFile/Downloads/上手指南/MT-Master/>



Master上手指南

MT-Master视频教程:

<https://server.mangotree.cn:9900/WebFile/Downloads/视频教程/MT-Master/>



Master视频教程

MT-DAQ上手指南:

<https://server.mangotree.cn:9900/WebFile/Downloads/上手指南/MT-DAQ/>



DAQ上手指南

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DAQ视频教程

Dimensions:(mm)

