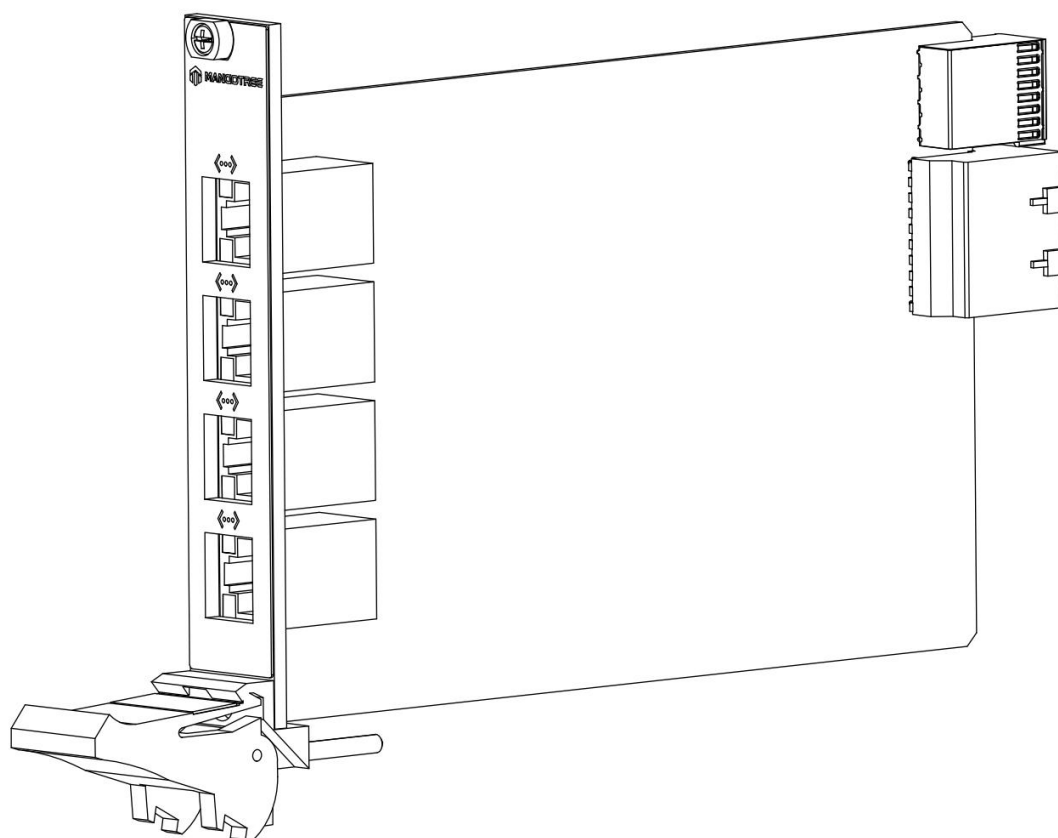DataSheet

MT-X304

4-Port, 1000 Fast Ethernet Module

This document contains the specifications for MT-X304.Specifications are typical at 25°C unless otherwise noted.

⚠ **Caution**   Using the MT-X304 in a manner not described in this document

may impair the protection the MT-X304 provides.

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Characteristics

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

Port	RJ45
EtherCAT	not supported
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 $\mathrm{C}\mathrm{E}$

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.

Config文本

    MT-DAQ设备的开发和使用依赖于Config配置文本，只有正确配置该文本，才能保证设备的正常运行。不同型号的设备或板卡对应的配置参数是不同的。Python、LabVIEW和C#三种编程语言的Config配置文本完全相同。

    通用Config配置文本通过MT-Master软件主页导出获得，用户可以根据实际设备或板卡的参数对配置文本进行修改配置，或者按照文本默认参数配置运行。

    Config配置文本中的各项参数含义及其具体配置可以参考MT-DAQ上手指南，指南链接附于下文Support板块。

    使用MT产品过程中如有任何疑问，可以通过访问官网：http://www.mangotree.cn联系专业客服咨询。

MangoTree官网

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

MT-DAQ视频教程：

https://server.mangotree.cn:9900/WebFile/Downloads/视频教程/MT-DAQ/

DAQ视频教程

Dimensions:(mm)

20.02±0.20

130.50±0.20

175.08±0.20

162.29±0.20

100.00±0.20

210.45±0.20