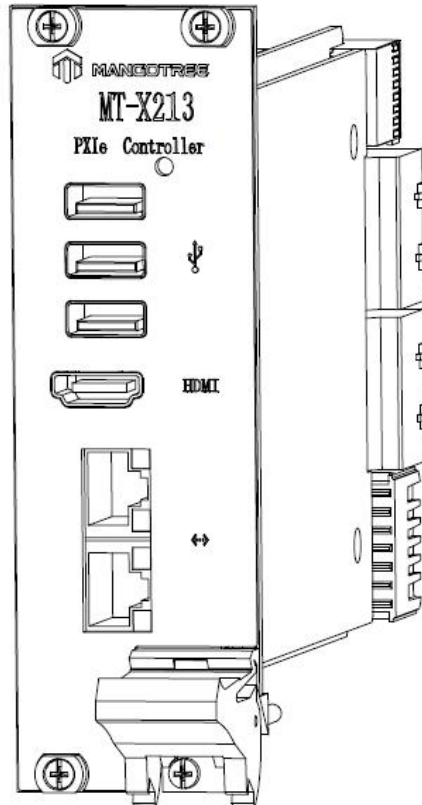


## SPECIFICATIONS

# MT-X213

## MT-X213 PXIe Dual-Core Embedded Controller



This document contains the specifications for MT-X213.



**Caution** Using the MT-X213 in a manner not described in this document may impair the protection the controller provides.

# Features

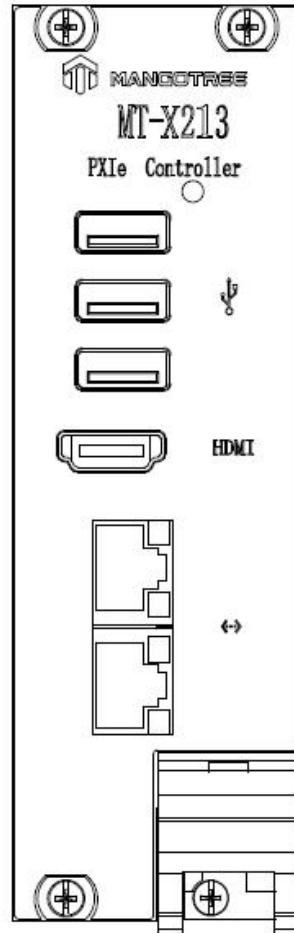
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MT-X213 PXIe Quad-Core	
CPU	Intel® Core™ i3-10110U Processor
Number of cores	2 Cores,4 Threads
Base Frequency	2.10 GHz
Max Turbo Frequency	4.10 GHz
Cache	4MB
Memory	4GB
Storage	128G M.2 NVME
Ethernet	Two 1000 BaseT ports
PXI Express 4 Link Configuration	x1, x1, x1, x2
Video	1 HDMI Port
USB2.0	1
USB3.0	2
Installed Operating System	Linux RT or Window 10

# Front Panel

The following figure shows the front panel layout of MT-X213 PXIe Controller.

**Figure 1.** MT-X213 PXIe Controller



## Electrical



**Note** Does not include any attached devices.

Voltage(V)	Current(Amps) Typical	Current(Amps) Maximum
+3.3 V	0.34 A	0.42 A
+5 V	0.54 A	0.73 A
+12V	1.10 A	1.50 A
+5 V <sub>Aux</sub>	0.10 A	0.20A

## Physical

Board dimensions	Two-wide 3U PXI Express module
Slot requirements	One system slot plus one controller expansion slot
Compatibility	Fully compatible with <i>PXI Express Specification 1.0</i>

Weight	421g typical
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## Shock and Vibration

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

Operating shock	30g peak, half-sine, 11ms
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Random vibration

Operating	0.3 g <sub>rms</sub> , 5 Hz to 500 Hz
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Nonoperating	2.4 g <sub>rms</sub> , 5 Hz to 500 Hz
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## Environmental

Pollution Degree	2
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Maximum altitude	2,000 m
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Indoor use only.

## Operating Environment

Ambient temperature range	5 °C to 50 °C
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Extended temperature option	0 °C to 55 °C
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Relative humidity range	10% to 90%, noncondensing
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## Storage Environment

Ambient temperature range	-40 °C to 65 °C
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Extended temperature option	-40 °C to 71 °C
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Relative humidity range	5% to 95%, noncondensing
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## Safety

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)