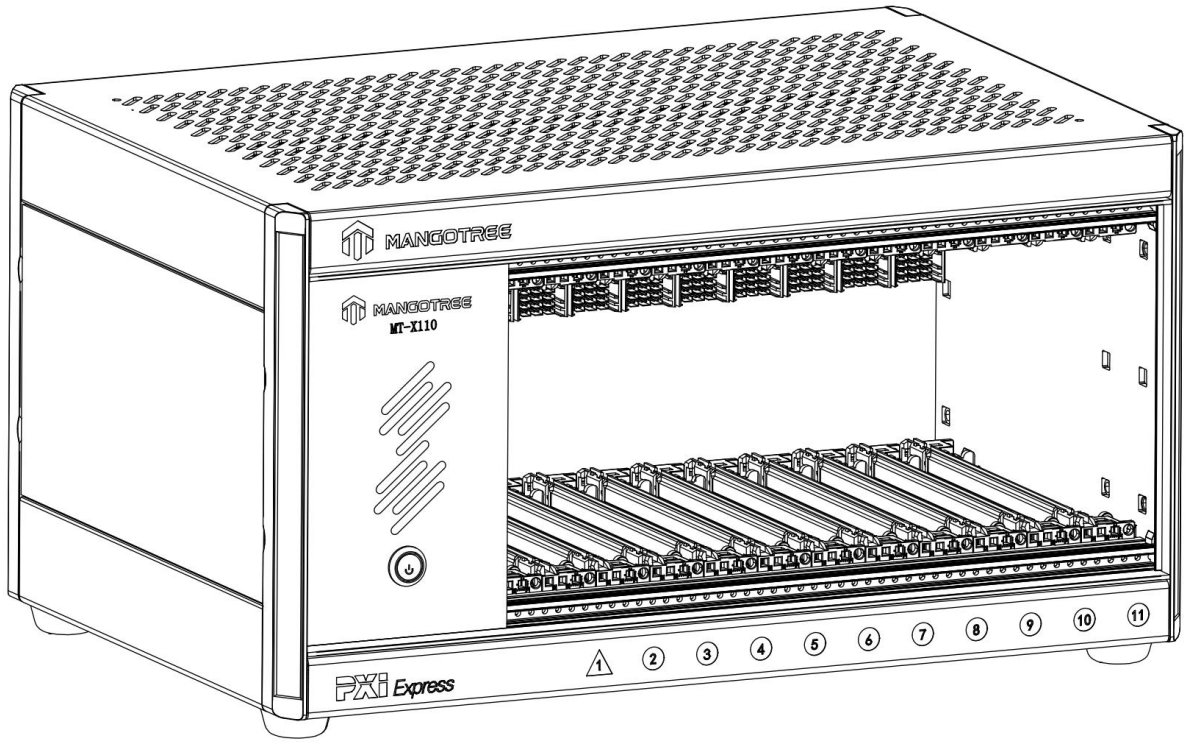
DataSheet

MT-X110

11 PXIe Slot Chassis

This document contains the specifications for the MT-X110 chassis.

Caution Specifications are subject to change without notice.



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Electrical

The following section provides information about the MT X110 DC input.

DC Input

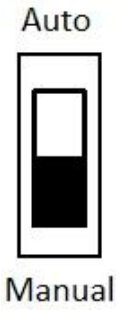
Power Supply Mode	Screw-terminal or PD Port
Screw-terminal Supply 1	19-28V, 24V typical
PD Port 1	20V(3.25A-5A), 65W-100W
Screw-terminal Supply 2	19-28V, 24V typical
PD Port 2	20V(3.25A-5A), 65W-100W
Line regulation	
3.3V	<±0.2%
5V	<±0.1%
12V	<±0.1%

Power on Start

There is a power dial switch inside the chassis.

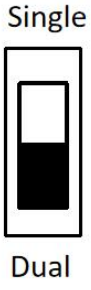
Auto: When power supply,user need press the power button to start the controller.

Manual: When power supply,the controller will start directly.



Power supply select

There is a power supply select dial switch on the back of the chassis.



Single: Screw-terminal Supply1/PD Port1 will supply all the slots(slot1-slot11).

Dual: Screw-terminal Supply1/PD Port1 will supply five slots(slot1-slot5).Screw-terminal Supply2/PD Port2 will supply six slots(slot6-slot11).

Chassis Slot

System Controller Slot	1
Peripheral Slots	10（PXIe）

Backplane slot current capacity of each power source:

Slot	3.3V	12V	5V
System Controller Slot	5A max	10A max	5A max
Peripheral Slot	5A max	5A max	5A max

Note：

1.Slot2 and slot3 peripheral slots share one 3.3V power source and one 12V power source.

2.Slot4 and slot5 peripheral slots share one 3.3V power source and one 12V power source.

3.Slot6 and slot7 peripheral slots share one 3.3V power source and one 12V power source.

4.Slot8 and slot9 peripheral slots share one 3.3V power source and one 12V power source.

5.Slot10 and slot11 peripheral slots share one 3.3V power source and one 12V power source.

6.Four peripheral slots share one 5V power source(slot2-slot5).

7.Six peripheral slots share one 5V power source(slot6-slot11).

Mechanical

Weight	4610 g
Dimensions	
Height	177 mm
Width	342 mm
Depth	235 mm

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 CE

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

Maximun altitude	4,600 m(570 mbar)(at 25°C ambient)
Pollution Degree	2
Operating temperature range	0°C to 55°C
Operating humidity range(IEC 60068-2-56)	10% RH to 90% RH, noncondensing Storage
Storage temperature range	-40°C to 71°C
Storage humidity range(IEC 60068-2-56)	5% RH to 95% RH, noncondensing Storage

Indoor use only.

Dimensions:(mm)