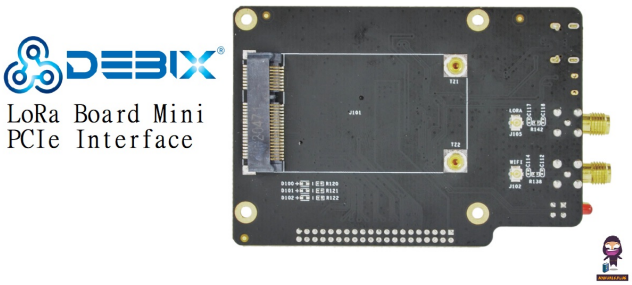

DEBIX LoRa Board Mini PCIe Interface Owner's Manual

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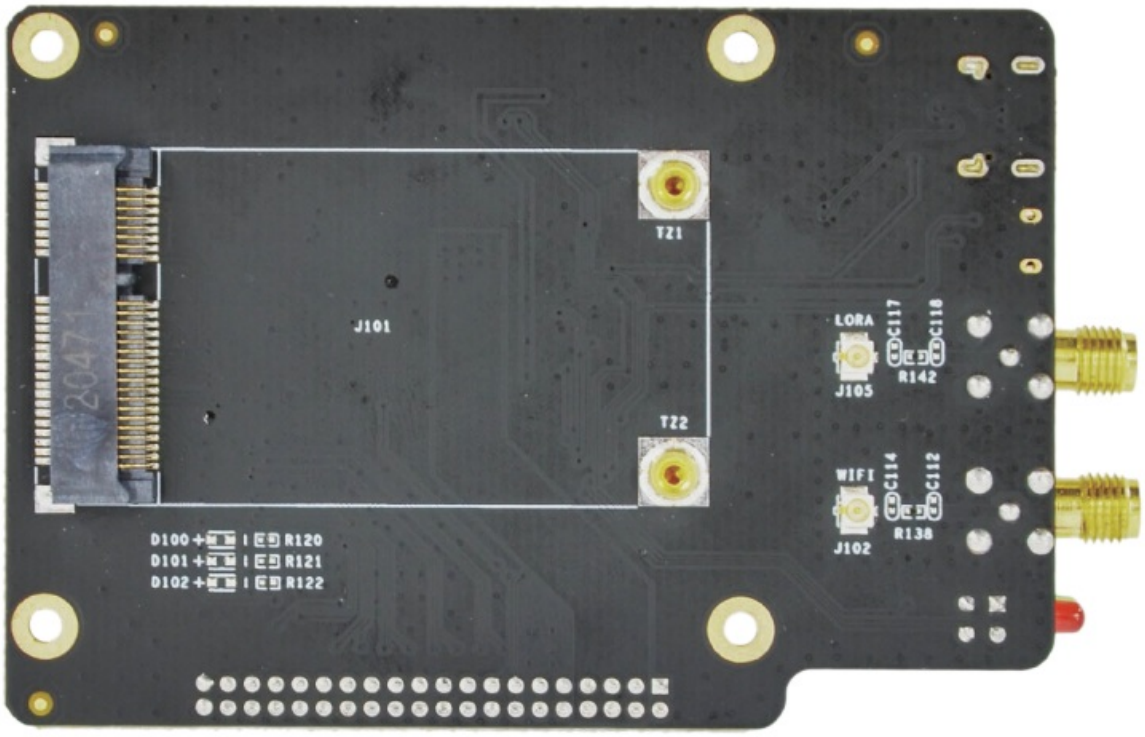
DEBIX LoRa Board Mini PCIe Interface



- www.debix.io

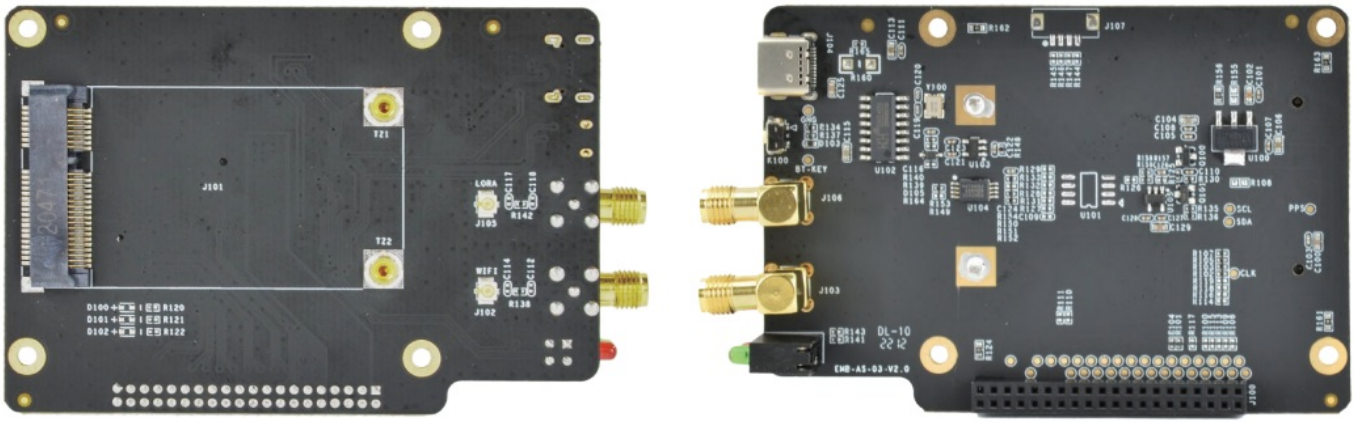
DEBIX LoRa Board

Overview

DEBIX LoRa Board fits DEBIX Model A/B and DEBIX Infinity and provides a Mini PCIe interface for LoRa Module. LoRa enables long-range transmissions with low power con-sumption. In addition to a LoRa Antenna Connector, it also has a Wifi Antenna CConnectorand Bluetooth Pairing Button.

Compatibility:

- Compatible with DEBIX Model A, DEBIX Model B, DEBIX Infinity



(Front View) (Back View)

Specification

I/O Interfaces

- USB 1 x USB Type-C Debug (USB to Serial)
- Mini PCIe 1 x Mini PCIe (LoRa Module)
- Buttons 1 x Bluetooth Pairing Button
- LED 1 x Operation Indicator, 1 x Pairing Indicator
- External Antenna 1 x LoRa Antenna Connector, 1 x Wifi Antenna Connector
- EEPROM 1 x 2Kbit EEPROM
- Clipper Chip 1 x Secure Element, eg.ATECC608

PrPowerupply

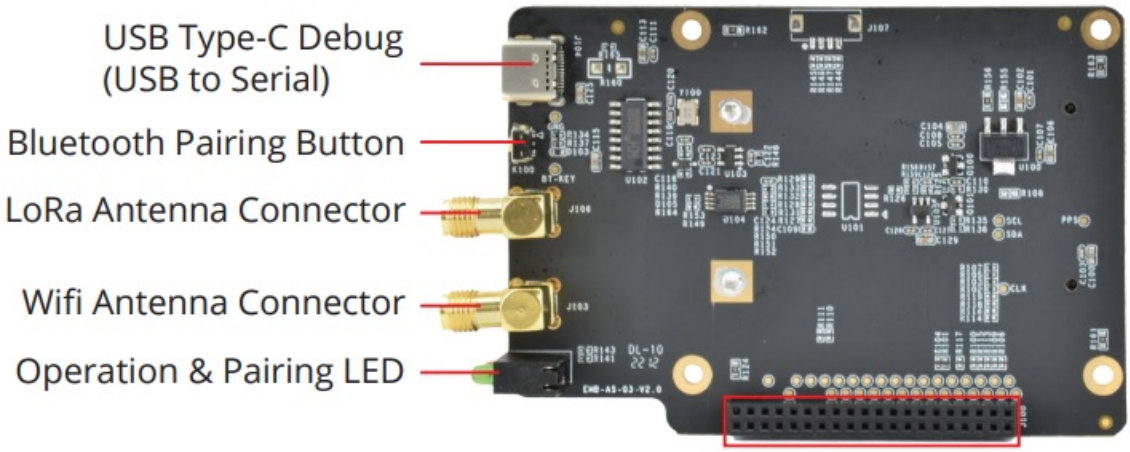
- Power Input DC 5V/1A

Mechanical

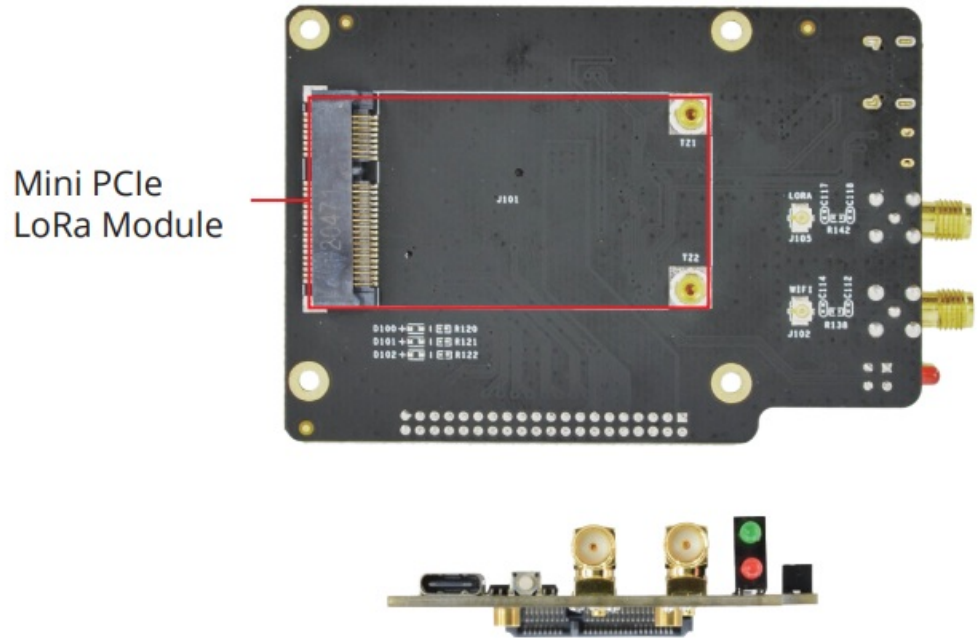
- Net Weight 28g(±0.5g)
- Gross Weight 54g(±0.5g)

Certificates

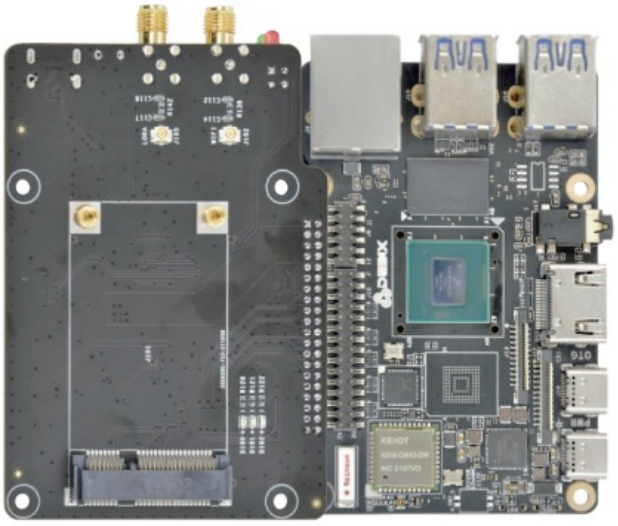
I/O Interfaces

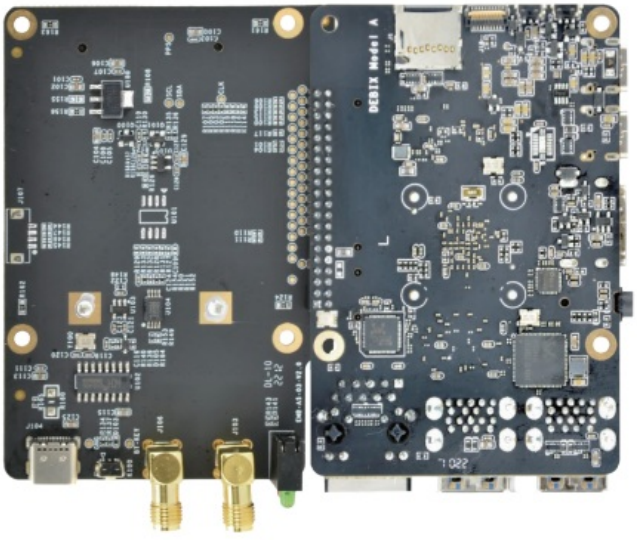


Connection Interface with DEBIX Model A/B and DEBIX Infinity



Connection with DEBIX Model A/B





Safety Instruction and Warnings

General:

- Avoid exposure to water, moisture, and conductive surfaces while operating.
- Handle with care to avoid mechanical or electrical damage to the circuit board and connectors.
- Only handle the board by the edges when powered on to minimize the risk of electrostatic discharge damage.

Environment

- Operate in a well-ventilated environment, even if using a case.
- Place on a stable, flat, non-conductive surface and avoid contact with conductive items.

Connections

- Use peripherals that comply with relevant standards for the country of use and ensure proper insulation and operation.

Additional notes

- This summary is not exhaustive, please refer to the full User Manual for details.
- If you are unsure about any aspect of safety or operation, consult a qualified professional.

Contact Us:

- Headquarters: DEBIX Technology Inc., 8345 Gold River Ct., Las Vegas, NV 89113, USA
- Factory: 5-6/F., East Zone, Shunheda A2 Building, Liuxiandong Industrial Park, Xili, Nanshan Dist.,
- Shenzhen, China
- **Email**: info@debix.io
- **Website**: www.debix.io
- **Community**: https://discord.com/invite/adaHHaDkH2

FAQs

Q: What is the purpose of the Secure Element on the board?
A: The Secure Element (eg. ATECC608) on the board provides hardware-based security features for data protection and authentication.

Q: Can the DEBIX LoRa Board be powered by a battery source?
A: The recommended power supply for the board is DC 5V/1A. It is not designed to be powered directly by a battery source.

Documents / Resources

	DEBIX LoRa Board Mini PCIe Interface [pdf] Owner's Manual LoRa Board Mini PCIe Interface, LoRa Board, Mini PCIe Interface, PCIe Interface, Interface

References

- DEBIX Embedded Computer Solutions
- Official DEBIX Community
- User Manual

Manuals+, Privacy Policy

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