Wiliot Bridge Family

Bridges are an essential part of Wiliot's three-tier architecture , providing energy to nearby Wiliot IOT Pixels, and echoing their data to access points. Each bridge has strenghts and weaknesses to consider when planning deployments.

There are several bridges that work with Wiliot:

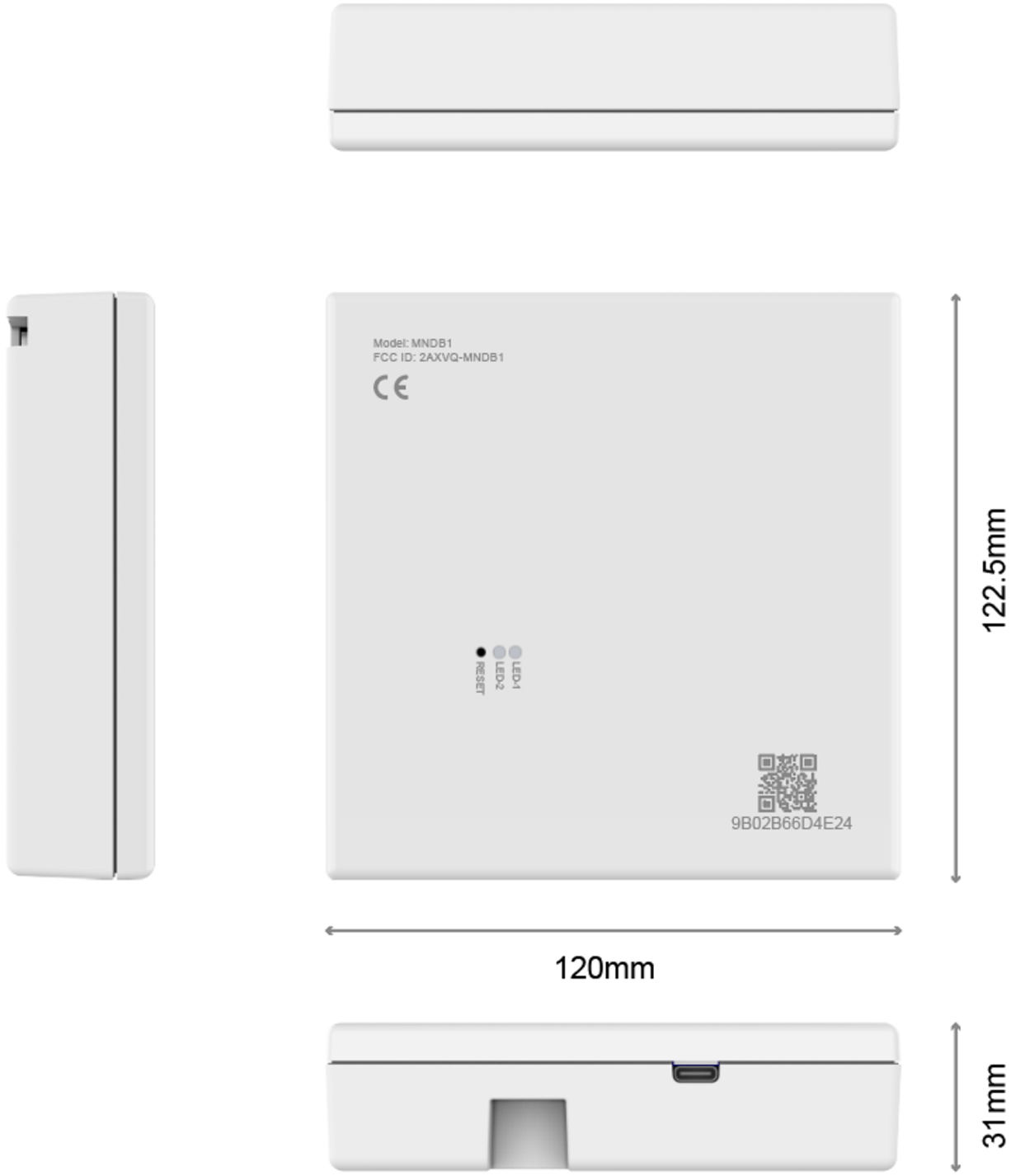
- Single Band Puck (BT840X)
- Single-band Minew (MNSB1)
  - Datasheet
- Dual Band Minew(MNDB1)
  - Datasheet
- Dual-band Fanstel (BRX840XE)
- Dual-band Energous WattUp

Comparison Table

	Single Band Puck BT840X	**Single Band Minew** MNSB1	**Du**
			
Short Description	Close range, single band energizing in a small, concealable package.	Simple, economical single band energizing in a self-contained package.	Simp banc co
Size	4 cm x 4 cm	6.6 cm x 8.7 cm	
Range	3 m	5 m	
Polarization	Linear	Dual Linear	
Radiation Pattern	Omnidirectional	Omnidirectional	
Power	USB – micro	USB – C	Ba
Regions	USA, Canada, Europe, Australia, New Zealand, Israel	WIP	

To learn how bridges operate, more information can be found here .

Minew Dual Band Bridge (MNDB1)



The Minew Dual Band Bridge is the newest member of the Works With Wiliot bridges family. It features a dual band, circularly polarized antenna.

Single Band Puck (BT840X)

This bridge energizes on 2.4GHz frequency only using an internal single band, linear, directional antenna.

Single-band Minew (MNSB1)

Similar to the puck bridge above, but uses a patch antenna with dual linear polarization.

Single-band Fanstel (BU840XE)

This bridge energizes on 2.4GHz frequency using an external single band, linear, omnidierectional antenna.

Dual-band Fanstel (BRX840XE)

This bridge is capable of energizing on both 2.4GHz range and sub GHz (915MHz) frequencies. It has linear omnidirectional antennas.

Dual-band Energous WattUp

This bridge can energize in the 2.4GHz range and sub GHz (915MHz) frequencies. Its antenna is directional, but its orientation is circular, making it very versatile for various use cases.

The Energous WattUp bridge started shipping on August 1st, 2022. Any bridges shipped before this date are an older revision that do not support remote management.