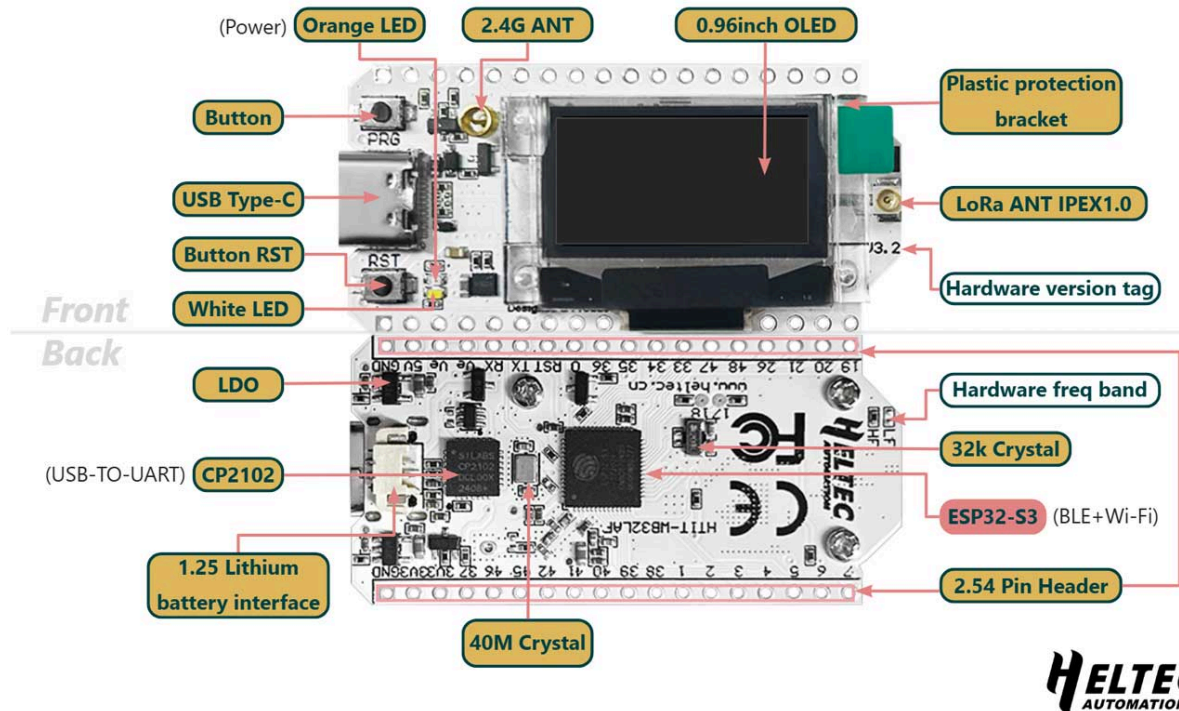


WiFi LoRa 32 V3

WiFi LoRa 32 V3



WiFi LoRa 32 is a compact and versatile IoT development board from Heltec Automation™, combining the power of ESP32-S3 and SX1262 to deliver Wi-Fi, Bluetooth Low Energy, and LoRa connectivity in one device. It also integrates a Li-Po battery management system and a 0.96" OLED display for enhanced functionality.

Product Page

Product characteristics

- Equipped with ESP32-S3, supporting Wi-Fi and BLE 5.0
- Integrated SX1262 LoRa chip for long-range communication
- Built-in 0.96-inch OLED display
- Integrated charging and battery protection circuit
- Rich GPIO interfaces for versatile peripheral expansion

Important parameters

parameters	WiFi LoRa 32 (V2)
LoRa Node Chip	SX1262
USB to Serial Chip	CP2102
Max. TX Power	21±1dBm
Bluetooth	Bluetooth 5 (LE)
Battery	3.7V lithium battery power supply and charging
Dimensions	50.2 * 25.5* 10.2 mm

Version comparison

Feature	WiFi LoRa 32 (V2)	WiFi LoRa 32 (V3)
MCU	ESP32-D0	ESP32-S3
LoRa Chip	SX1276	SX1262
USB Socket	Micro USB	TypeC
Crystal Oscillator	Ordinary crystal oscillator	High precision temperature compensated crystal oscillator
LowPower	800uA	<10uA
Other	/	Better impedance matching of RF circuits.

Important Resources

- [Datasheet](#)

- [Schematic diagram](#)
- [Pin Map](#)
- [Related links](#)

Product Usage Guide

The following documentation will help you get started quickly with the product

- [Install development environment](#)
- [Applied to LoRaWAN](#)
- [Applied to Meshtatic](#)
- [How to use license](#)

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