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B&Q Consulting

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Devices | Supported Hardware Overview

Supported Devices

Meshtastic firmware can be installed on a wide range of development boards. The list below provides a brief comparison of currently supported hardware.

Which board should I choose?

While all the boards listed on this page will run Meshtastic and mesh with each other, some current community favorites are:

- RAK Meshtastic Start Kit: [RAK19007+RAK4631](#)
- [Seed Card Tracker T100-E](#)
- [Seed Wio Tracker L1](#)
- [Heltec Mesh Node T114](#)
- [Nano G2 Ultra](#)
- [Station G2](#)
- [LILYGO LoRa T3-S3](#)

Please do your research and choose the board that meets your needs (or maybe already have in a bin somewhere).

RAK®

Wisblock

Modular hardware system with Base, Core and Peripheral modules including the low-power and solar ready nRF52840-based Meshtastic Starter Kit (19007 & 4631).

WisBlock Core Modules

Name	MCU	Radio	WiFi	BT	GPS
RAK4631	nRF52840	SX1262	NO	5.0	ADD-ON
RAK11310	RP2040	SX1262	NO	NO	ADD-ON

Base Boards

Name	Type
RAK5005-O	WisBlock Base Board (End Of life).
RAK19007	WisBlock Base Board (2nd Generation)
RAK19003	WisBlock Mini Base Board.
RAK19001	WisBlock Dual IO Base Board.

WisBlock Peripherals

Name	Type
RAK1910	GPS
RAK12500	GPS
RAK18001	Buzzer
RAK13002	IO Module
RAK14001	RGB LED
RAK12002	Real Time Clock
RAK1901	Temperature and Humidity Sensor
RAK1902	Barometric Pressure Sensor
RAK1906	Environment Sensor
RAK12013	Radar Sensor
RAK13800	Ethernet Module

WisBlock Displays

Name	Type	Resolution
RAK1921	0.96 inch OLED	128x64px
RAK14000	2.13 inch E-Ink display	212x104px

WisMesh

Name	MCU	Radio	WiFi	BT	GPS
WisMesh Pocket V2	nRF52840	SX1262	2.4GHz b/g/n	5.0	YES
WisMesh Pocket Mini	nRF52840	SX1262	NO	5.0	NO
WisMesh Tag	nRF52840	SX1262	NO	5.0	YES
WisMesh TAP	nRF52840	SX1262	NO	5.0	YES
WisMesh Board ONE	nRF52840	SX1262	NO	5.0	ADD-ON
WisMesh Repeater	nRF52840	SX1262	NO	5.0	ADD-ON
WisMesh Repeater Mini	nRF52840	SX1262	NO	5.0	ADD-ON
WisMesh Ethernet MQTT Gateway	nRF52840	SX1262	NO	5.0	ADD-ON
WisMesh WiFi MQTT Gateway	ESP32	SX1262	YES	5.0	ADD-ON

LILYGO®

T-Beam

Boards complete with GPS, 18650 battery holder, and optional screen.

Name	MCU	Radio	WiFi	BT	GPS
T-Beam S3-Core	ESP32-S3	SX1262	2.4GHz b/g/n	5.0	YES
T-BeamSUPREME	ESP32-S3	SX1262	2.4GHz b/g/n	5.0	YES

T-Echo

All-in-one unit with E-Ink screen, GPS and battery in injection-molded case. Features the low-power nRF52840 for long battery life.

Name	MCU	Radio	WiFi	BT	GPS
T-Echo	nRF52840	SX1262	NO	5.0	YES

LoRa 32

LoRa 32

Inexpensive basic ESP32-based boards.

Name	MCU	Radio	WiFi	BT	GPS
LoRa32 T3-S3 V1.0	ESP32-S3	SX1262	2.4GHz b/g/n	5.0	NO

T-Deck

Standalone device with screen and keyboard

Name	MCU	Radio	WiFi	BT	GPS
T-Deck	ESP32-S3FN8	SX1262	YES	5.0	NO
T-Deck Plus	ESP32-S3FN8	SX1262	YES	5.0	YES
T-Deck Pro	ESP32-S3FN8	SX1262	YES	5.0	YES

HELTEC®

LoRa 32

Inexpensive basic ESP32-based boards.

Name	MCU	Radio	WiFi	BT	GPS
LoRa32 T3-S3 V1.0	ESP32-S3	SX1262	2.4GHz b/g/n	5.0	NO

Wireless Stick Lite

Wireless Tracker

Wireless Tracker V1

Wireless Paper v1.0

Wireless Paper v1.1

Wireless Paper v1.2

Wireless Paper v1.3

Wireless Paper v1.4

Wireless Paper v1.5

Wireless Paper v1.6

Wireless Paper v1.7

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