

INDUSTRIAL PRODUCT DATASHEET

Wio Tracker L1 Pro for MeshCore

Ready-to-use Wio Tracker L1 Pro for MeshCore with pre-flashed MeshCore Bluetooth Companion firmware, rugged enclosure, and triple power supply (2000 mAh battery, Type-C fast charging, solar input) for off-grid communicatio...

SKU	UPDATED	PRICE
100030144	2026-08-14 08:19:41	\$47.90(Excl. VAT)



Overview



The Wio Tracker L1 Pro for MeshCore is a ready-to-use LoRa device with a rugged, lightweight enclosure and pre-flashed MeshCore Bluetooth Companion firmware. It features triple power supply options including a built-in 2000 mAh battery, Type-C fast charging, and solar input, making it suitable for off-grid communication and IoT sensor networks across applications such as Smart Agriculture, Smart City, Environmental Monitoring, and more.

Key Features

Note:

Enjoy 5% off when you purchase any one MeshCore device – the [SenseCAP Solar Node P1-Pro \(SKU 100023690\)](#) or the [Wio Tracker L1 Pro \(SKU 100030144\)](#).

Get up to 8% off when you add both models to your cart.

No quantity limits – discount auto-applies at checkout.

MeshCore is a multi platform system for enabling secure text based communications utilising LoRa radio hardware. It can be used for Off-Grid Communication, Emergency Response & Disaster Recovery, Outdoor Activities, Tactical Security including law enforcement, private security and also IoT sensor networks.

Wio Tracker L1 Pro for MeshCore comes with pre-flashed MeshCore Bluetooth Companion firmware. If you want to buy L1 Pro with pre-flashed Meshtastic firmware, please [click here](#) to buy.

■ Ready-to-Use Durable Enclosure

The L1 Pro comes with a rugged, lightweight enclosure designed for immediate use—no additional assembly required. Whether handheld or clipped onto gear, it's built for adventure in any environment.

■ Pre-flashed with MeshCore firmware

Ready to use out of the box with pre-installed MeshCore Bluetooth Companion firmware for seamless setup.

■ Triple Power Supply Options

Equipped with a built-in 2000 mAh battery, Type-C fast charging, and solar input support, enabling flexible deployment in diverse environments—perfect for outdoor and mobile use.

Product Gallery

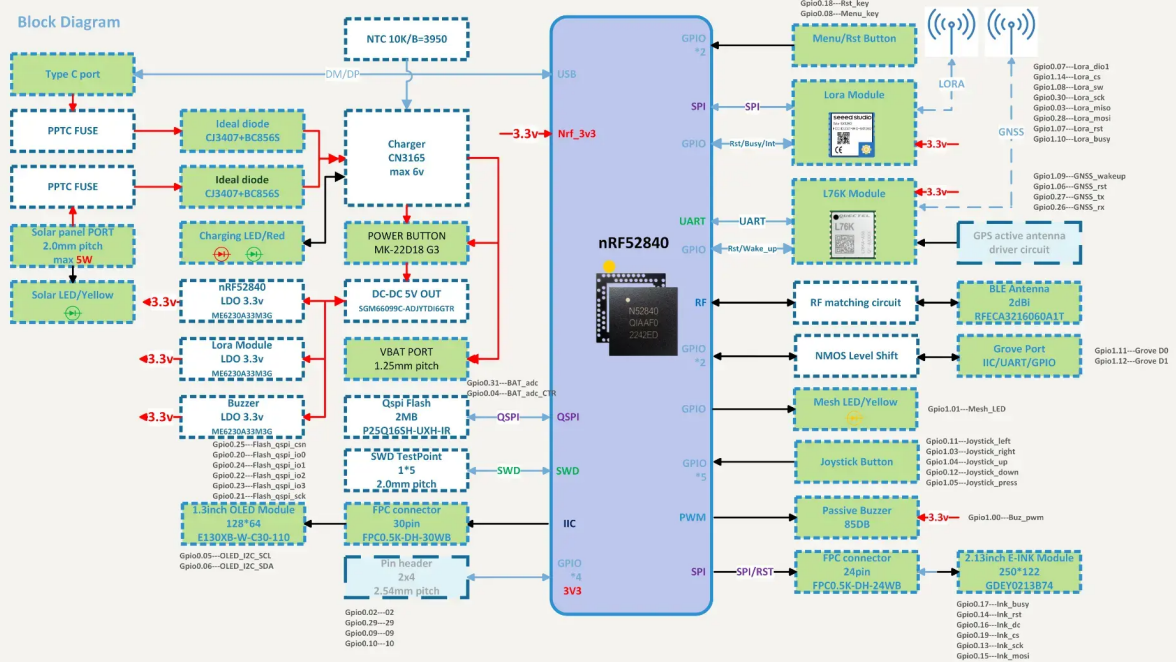
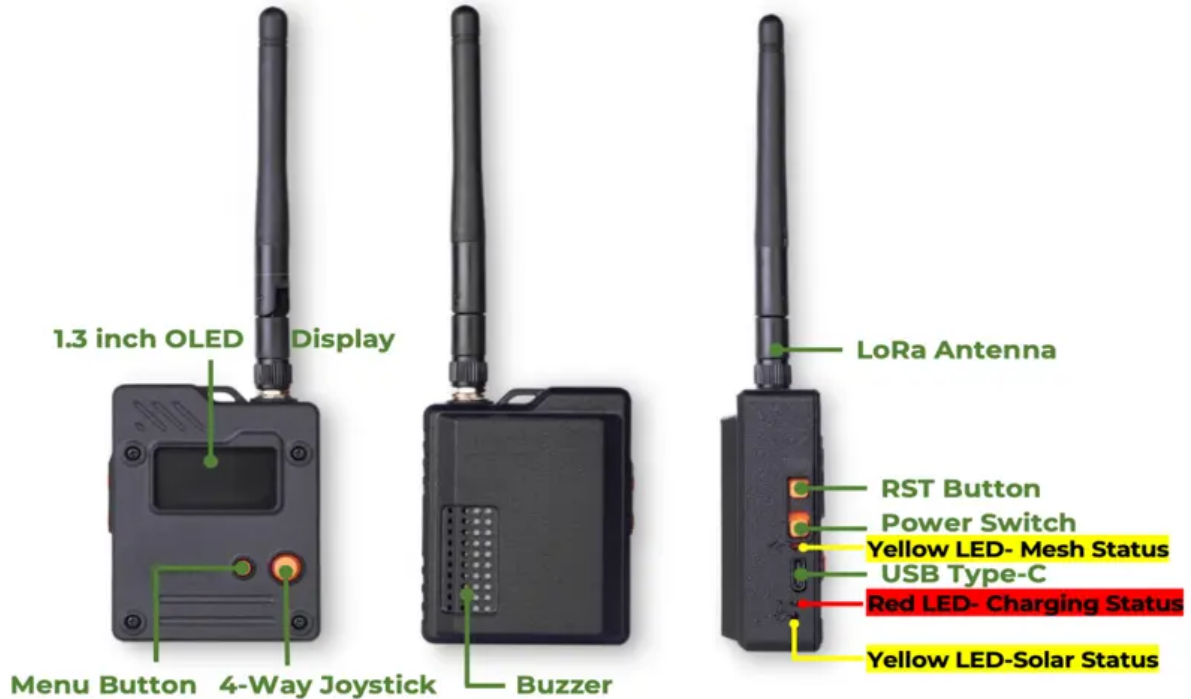




Specification

Processor	Nordic nRF52840ARM® Cortex®-M4 with FPU runs up to 64 MHz
On-chip Memory	1 MB flash and 256 kB RAM
Wireless	LoRa: Based on Wio-SX1262 Wireless Module , supports 862-930MHz Bluetooth 5.0
GPS	L76K(GPS,BeiDou,GLONASS,QZSS)
OLED Display	Size: 1.3 inch
	Resolution: 128*64 pixels
	Active Area(mm): L34.5*W23.0*H1.47
Power	Type-C: 5V---1A
	Solar energy interface(2.0mm 2p):5V---1A
	Battery interface(1.0mm 2p JST): 3.7V---1A
Certification	FCC, CE, RoHS, EUDOC,TELEC,UKDOC

Hardware Overview



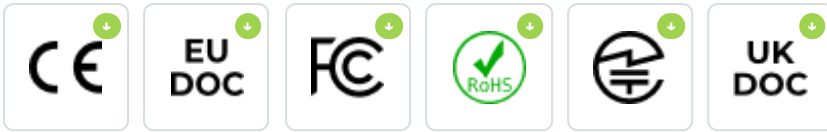
Applications

- Smart Agriculture
- Smart City
- Smart Home
- Industrial Automation
- Smart Healthcare
- Smart Retail
- Smart Logistics
- Environmental Monitoring

Part List

Wio Tracker L1 Board with 1.3 inch OLED Display, 3D-Printed Enclosure and battery	x1
LoRa Antenna	x1

Compliance & Logistics



HSCODE	8526919090
USHSCODE	8526910040
UPC	
EUHSCODE	8517180000
COO	CHINA

FCC Requirement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

15.21

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy.

If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Resource Links

- <https://www.seeedstudio.com/Wio-Tracker-L1-Pro-for-Meshcore-p-6717.html>
- [Wio Tracker L1 Pro 3D-Shell Reference Document](#)
- [Hardware Schematic Diagram](#)
- [Seeed Wio Tracker L1 Power Consumption Calculation](#)

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