

Premium & Feature-Rich Devices

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Premium devices (\$43 - \$109) target users who want a self-contained communicator, maximum battery life, infrastructure-grade performance, or specialised capabilities like NFC.

LilyGo T-Deck - \$43 - \$53

A standalone LoRa communicator with a full QWERTY keyboard and 2.8" touchscreen. Can be used without a phone - type and read messages directly on the device. Best choice for field use where you want a dedicated communicator rather than pairing with a phone.

- **MCU:** ESP32-S3
- **Display:** 2.8" IPS touchscreen
- **Input:** QWERTY keyboard + trackball
- **Battery:** Not included (standard LiPo)

LilyGo T-Deck Plus - \$65 - \$85

The T-Deck Plus adds GPS and a built-in 2000mAh battery to the base T-Deck. The GPS makes it useful for position-aware mesh communications without any external modules.

LilyGo T-Echo - \$50 - \$65

E-ink display, nRF52840, GPS, and NFC in one device. The nRF52840 + e-ink combination delivers 7 - 14 day battery life on a single charge - one of the longest of any supported device. The NFC functionality is available for app pairing workflows.

- **MCU:** nRF52840
- **Display:** E-ink
- **Battery life:** 7 - 14 days
- **GPS:** Yes
- **NFC:** Yes

Wio Tracker L1 Pro - \$42.90

Rugged enclosed version of the Wio Tracker L1. Includes GPS and a built-in battery. Good choice for outdoor carry or vehicle mounting where a bare board is not practical.

Atlavox M1 - \$76.99

Built on the RAK4630 core (nRF52840 + SX1262). Includes a 2000mAh battery. Pre-assembled in a compact case.

Nano G2 Ultra - \$85 - \$90

Uses nRF52840 and covers a wideband frequency range of 815 - 940 MHz, making it compatible with multiple regional frequency plans. Rated battery life of ~3.5 days. Good choice for travellers who operate on different regional networks.

RAK WisMesh Pocket - \$89

A polished handheld device with a 3200mAh battery, 1.3" OLED display, and GPS. The large battery and GPS make it well-suited as a primary communicator for extended outdoor use.

Station G2 - \$109

The infrastructure workhorse. 36.5 dBm output (4.5W) is the highest of any standard supported device. Includes a low-noise amplifier (LNA) for improved receive sensitivity. Designed to sit at a high point and serve as a backbone node. Requires 15V USB-C Power Delivery - a standard USB charger will not work.

- **TX power:** 36.5 dBm (4.5W)
- **LNA:** Yes
- **Power input:** 15V USB-C PD
- **Use case:** Fixed base station / high-site repeater

Premium Device Summary

Device	Price	MCU	Display	GPS	Battery	Standout Feature
T-Deck	\$43 - \$53	ESP32-S3	2.8" touch	No	External LiPo	QWERTY keyboard
T-Deck Plus	\$65 - \$85	ESP32-S3	2.8" touch	Yes	2000mAh	QWERTY + GPS included

Device	Price	MCU	Display	GPS	Battery	Standout Feature
T-Echo	\$50 - \$65	nRF52840	E-ink	Yes	7 - 14 days	Longest battery + NFC
Wio L1 Pro	\$42.90	nRF52840	OLED	Yes	Built-in	Rugged enclosed
Atlavox M1	\$76.99	nRF52840	-	No	2000mAh	RAK4630 core
Nano G2 Ultra	\$85 - \$90	nRF52840	-	No	~3.5 days	815 - 940 MHz wideband
RAK WisMesh Pocket	\$89	nRF52840	OLED 1.3"	Yes	3200mAh	Large battery + GPS
Station G2	\$109	ESP32	-	No	External	36.5 dBm, LNA

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