

Meshtastic Device Compatibility

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Meshtastic is the other major firmware option for LoRa mesh nodes. Hardware compatibility overlaps significantly with MeshCore. Always verify at flasher.meshtastic.org before purchasing.

Widely Used Meshtastic Devices

Device	MCU	Price Range	Notes
Heltec V3	ESP32-S3 + SX1262	\$20 - \$30	Very common; large community
Heltec V4	ESP32-S3 + SX1262	\$25 - \$35	~22 dBm TX (confirm against Heltec's current spec; some sources cite a higher-power variant). Both V3 and V4 use the SX1262 - any difference is not a clear datasheet-supported power increase.
LilyGo T-Beam	ESP32	\$35 - \$45	GPS; popular for mobile nodes
LilyGo T-Deck	ESP32-S3	\$43 - \$53	Standalone keyboard device
LilyGo T-Echo	nRF52840	\$50 - \$65	Long battery life
RAK4631 (WisBlock)	nRF52840 + SX1262	Varies	Modular; add GPS/sensor modules
SenseCAP T1000-E	nRF52840 + LR1110	\$35 - \$45	GPS, IP65, compact (radio is Semtech LR1110, not SX1262)
Heltec T114	nRF52840 + SX1262	\$30 - \$45	TFT display; lower power

Prices are approximate retail ranges as of 2026-06-08 and are volatile; check a current retailer (e.g. the manufacturer's store, Rokland, or Seeed Studio) before buying.

Choosing Between MeshCore and Meshtastic

Factor	MeshCore	Meshtastic
Community size	Smaller, growing	Very large, well-documented
Room server support	Yes (built-in variant)	Via MQTT bridge
App ecosystem	MeshCore app (Android/iOS)	Meshtastic app (Android/iOS/web)
Repeater setup	Simple, dedicated variant	Router role in settings
Firmware updates	OTA via app or web flasher	OTA via app or web flasher

Both firmware options run on the same hardware. You can re-flash between them at any time without permanent consequences - choose based on the network you are joining or building.

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