Neron Pro
NERON-PRO

Ultra-Compact Asset Tracking Powered by a Nationwide LoRa Network

- ~3+ year battery life
- Built-in temperature & humidity monitoring
- IP69K waterproof, ultra-compact, rugged design
- Proximity detection via FleetCam gateways
- Ultra-wideband meter-level proximity ranging

Tools & Heavy Equipment

Track power tools, generators, compressors, and machinery across job sites and yards. The LoRa network reaches anywhere populated wireless coverage extends, while the built-in audible chirp locator helps you find assets fast in cluttered warehouses or trailers.

Inventory & Shipment Monitoring

Keep eyes on important inventory during transit. Geofence assets to trigger real-time alerts when they leave a designated location, and leverage UWB precision finding for meter-level accuracy on arrival.

Cold Chain & Environmental

Monitor perishable cargo, pharmaceuticals, and sensitive equipment with built-in temperature and humidity sensors. Configurable reporting intervals and low-battery alerts help you stay compliant throughout the supply chain.

Fleet Equipment Verification

Ensure required equipment is present on every vehicle before dispatch. Field Warrior notifies drivers when assets are missing or left behind, while IntelliHub gives fleet managers a single pane of glass for every tracked asset.

Neron Pro with a Nationwide LoRa Network

The Neron Pro delivers a Long-lasting asset visibility in a rugged, compact package. Leveraging the Nationwide LoRa Network, paired with built-in temperature and humidity sensors, Bluetooth® LE proximity detection through FleetCam gateways, and UWB precision finding, it provides comprehensive tracking for everything from hand tools and portable equipment to high-value machinery. Its IP69K housing and ~3-year battery life make it equally effective as a primary tracker for small assets or a covert secondary device for added security and redundancy.

Specification

Battery

Power Supply	3.6 VDC
Battery Life	~3+ years (typical usage profile)*
Battery Monitoring	Low-battery alert with configurable threshold

Housing

Dimensions	63.5 × 50 × 20 mm (2.5 × 1.96 × 0.78in)
Materials	ABS+PC - UV resistant, UL rated, flame retardant
Sealing	Ultrasonic welding
Water resistance	IP69K
Operating Temp	-40°C to +85°C (-40°F to +185°F)

Use Cases

Hand tools • Power equipment • Generators • Compressors • Trailers • Containers • Medical devices • Lab instruments • Rental equipment • Heavy machinery • Specialty vehicles • IT assets • Portable HVAC • Surveying gear • Industrial robotics • Covert / redundant tracking

Connectivity

Bluetooth LE	BLE
LoRa	915 MHz (US/CA/MX)
Wireless Location	GNSS and Wi-Fi® scans
FleetCam Gateway	Automatic Bluetooth LE proximity detection near any FleetCam-equipped vehicle
Ultra Wide Band (UWB)	Meter-level proximity

Environmental Sensors

Temperature	-40°C to +85°C (-40°F to +185°F), ±0.2°C Temperature accuracy
Humidity	0–100% RH, ±1.8% accuracy
Accelerometer	Dynamic advertising profiles, motion-based wake
Tamper Alert	Physical tamper detection keeps device secure

* Final battery life will vary based on temperature and use case.

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