

EROAD ETrack Wired Technical Data Sheet



The ETrack Wired asset tracker is a GPS device used to locate assets such as trailers and heavy equipment, rather than vehicles.

Power and Battery

Input Supply Voltage	<ul style="list-style-type: none">• 12/24 VDC Vehicle Systems• 9-30 VDC (start-up, operating)• 7-32 VDC (momentary)
Input Supply Current	<ul style="list-style-type: none">• Typical 400uA @ 12V (deep sleep)• Typical 15mA @ 12V (radio-active sleep)• Typical 60mA @ 12V (active tracking w/GPS and cell on)
Internal Battery	<ul style="list-style-type: none">• Rechargeable Li-ion, Up to 5200 mAh, 4-5 months duration

Cellular Connectivity

Bands	<ul style="list-style-type: none">• 4G LTE Bands B2, B4, B5, B12
US Networks	<ul style="list-style-type: none">• AT&T, T-Mobile, Cincinnati Bell, Immix, CommNet Wireless
Canada Networks	<ul style="list-style-type: none">• Bell Mobility, Telus, Videotron, SaskTel
Mexico Networks	<ul style="list-style-type: none">• Telcel, IUSACell

GPS Connectivity

Constellation	<ul style="list-style-type: none">• Hybrid GPS, GLONASS, SBAS Engine (WAAS, EGNOS, MSAS)
Channels	<ul style="list-style-type: none">• 55
Tracking sensitivity	<ul style="list-style-type: none">• -167 dBm
Location Accuracy	<ul style="list-style-type: none">• ~2.0m CEP Open Sky (SBAS 24 hours static)

Regulatory Compliance

Certifications	<ul style="list-style-type: none">• FCC, IC, PTCRB, RoHS
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Hardware Details

Case Size	<ul style="list-style-type: none">• 114 x 80 x 39mm (4.5 x 3.2 x 1.6")
Weight	<ul style="list-style-type: none">• 230g, 340g with harness (8.11 oz, 12oz with harness)
Case Material	<ul style="list-style-type: none">• PC/ABS
LEDs	<ul style="list-style-type: none">• Cellular: Orange• GPS: Green

Sensors

Ignition Inputs	<ul style="list-style-type: none">• 1 fixed bias
Digital Inputs	<ul style="list-style-type: none">• 2 (high/ low bias selectable 0-30V DC)
Analog Inputs	<ul style="list-style-type: none">• 1 external ADC input
Accelerometer	<ul style="list-style-type: none">• Built-in, triple-axis
Power, Inputs/Outputs	<ul style="list-style-type: none">• 12-wire captive harness

Environmental Tolerances

Operational Temperature	<ul style="list-style-type: none">• -30° to +60°C (-22° to +140°F) connected to primary power• -20° to +60°C (-4° to +140°F) operating on internal battery• -20° to +25°C (-4° to +77°F) storage > 3 months
Humidity	<ul style="list-style-type: none">• 95% RH @ 50°C (122°F) non-condensing
Ingress Protection	<ul style="list-style-type: none">• IP66
Shock & Vibration	<ul style="list-style-type: none">• U.S. Military Standards 202G, SAEJ1455
Electrostatic Discharge (ESD)	<ul style="list-style-type: none">• SAE J1113-13 (4 KV Limit)