



Technical Features

- Built-in wiring harness
- 1400mAh Lithium Ion Backup Battery
- Ultra-Low Power Mode (< 1 mA)
- Internal Cellular and GPS Antennas
- Super Sense GPS (-167 dBm tracking)
- 2 Digital Inputs/ 3 Digital Outputs
- Starter Interrupt Harness

Service Features

- 1 or 2 minute GPS Update option
- Reliable Store and Forward
- 2000 Buffered Messages
- LTE CatM messaging
- Over-the-Air Programming and Firmware Updates

Standard Testing

- Program Testing
- Application Report Testing
- GPS Acquisition
- Cellular Network Registration
- Multiple GPS reports received on Client-Specific Interface

Coyote ST Essential Rugged Tracker

Real-Time GPS Equipment Tracking Device

Satellite Location (GNSS)

Constellation Support: GPS, GLONASS, SBAS Engine (WAAS, EGNOS, MSAS, GAGAN)

Channels: 55 Channel

Tracking Sensitivity: -167 dBm

Acquisition Sensitivity: -157 dBm (hot start)
-148 dBm (cold start)

Location Accuracy: ~2.0m CEP Open Sky (GPS SBAS 24 hours static)

Location Update Rate: 1Hz

AGPS Location assistance capable

Cellular/Network

LTE Cat M1: 1900 (B2)/AWS 1700(B4)/700 (B12)* MHz

*B17 is a subset of B12

Electrical

Operating Voltage: 12/24 VDC Vehicle Systems

9-32 VDC (startup, operating)

7-32 VDC (momentary)

Power Consumption: Typical 750 uA @ 12V (deep sleep)

Typical 12 mA @ 12V (radio-active

sleep/idle)

Typical 40 mA @ 12V (active tracking

w/GPS and cell enabled)

Physical/Design

Dimensions: 3.06 x 4.45 x .87" (77.8 x 113 x 22 mm)

Weight: 6.35 oz. (180 g)



Environmental

Temperature

-30° to +60°C (connected to primary power)

-10° to +60°C (operating on internal battery)

-20° to +25°C ≤ 6 months (long term storage with battery)

Humidity: 95% RH @ 50°C non-condensing

Shock and Vibration: U.S. Military Standard 202G, 810F SAE J1455

ESD: IEC 61000-4-2 (4KV test)

Ingress Protection Rating: IP67

Certifications

Industry Certifications: FCC, IC, PTCRB, RoHS