



TRACK YOUR TRUCK

GPS FLEET TRACKING

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



SKYHAWK-ST ESSENTIAL EQUIPMENT TRACKER

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 Specifications

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 Specifications

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

Weight: 6.35 oz. (180 g)

Certifications

Industry Certifications: FCC, IC, PTCRB, RoHS



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STANDARD TESTING

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

Environment

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

GET IN TOUCH



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TrackYourTruck.com

