

TTU-730 - Battery/Cellular GPS Asset Tracking Device

Features

- ◆ LTE Cat1 ruggedized GPS tracking device
- ◆ Internal Cellular and GPS Antenna
- ◆ Over-the-air configuration and firmware management
- ◆ Internal long life battery
- ◆ GPS update based on preprogrammed time parameters and “wake on movement”
- ◆ 5,000 message cycles on fully charged battery pack. Battery pack is field replaceable (if necessary).
- ◆ 5 years with single message cycle per day on fully charged battery pack
- ◆ Weather Proof—IP67 sealed and rugged enclosure
- ◆ Built-in motion sensor
- ◆ Form Factor: Tracker: Fleet / Asset
- ◆ Technology: 4G LTE Cat 1 w/ 3G Fallback
- ◆ Carrier: AT&T/Verizon/T-Mobile
- ◆ 2-piece ABS enclosure
- ◆ Compact Size: LxWxH 9.90 x 2.35 x .45” (251 x 60 x 62 mm)
- ◆ Weight: 23.2 oz. (658 g)



**TTU-730
High Sensitivity
SuperSense GPS**

Unpowered Asset Tracking in Extreme and Rugged Environments

The TTU-730 provides an affordable tracking and fleet management device for security and asset tracking applications. It is a LTE cellular, battery operated GPS asset tracking device made for rapid deployment, with extended multi-year use and reliable in-field installation.

The TTU-730 is an ideal solution for managing unpowered assets that will be deployed for long periods without regular maintenance needs.

It is a highly configurable, feature rich, mobile asset tracking device designed to service a wide variety of market and industry requirements. The device is an ideal solution for Mobile Resource Management, vehicle tracking and many other location aware applications and services. The device incorporates leading edge, quality components for superior reliability including a SuperSense GPS module.

Tracking Software Support

POWER-trak3 - Professional PC/Server Enterprise Suite

FleetLinked - Web Tracking Service/Web Browser/Mobile APP

Fleet-Control AP - Your Software using CES API

Or Your own Software—Direct Decode



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Integrated Intelligent GPS & Data Solutions for Public Safety, Security and Fleet Managers™

TTU-730 - Industrial GPS Fleet Management

PHYSICAL SPECIFICATIONS

Dimensions 9.90 x 2.35 x 2.45" (251 x 60 x 62 mm)
Weight 23.2 oz. (658 g)
Ingress Protection Rating IP67

VARIANTS/COMMUNICATION

North American Variant I
LTE Cat 1 1900 (B2)/AWS 1700 (B4)/850 (B5)/700 (B17)
MHz. HSPA/UMTS 850 (V)/1900 (II) MHz

North American Variant II
LTE Cat 1 AWS 1700 (B4)/700 (B13) MHz

GPS TECHNOLOGY

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 (SBAS 24 hours static). Location Update Rate 1 Hz
AGPS Location assistance capable

ELECTRICAL SPECIFICATIONS

Operating Voltage 3.6V internal battery
Power Consumption
Typical 30uA @ 3.6V (hibernate)
Typical 50uA @ 3.6V (deep sleep)
Typical 50mA @ 3.6V (active GPS tracking only)
Typical 80mA @ 3.6V (cellular idle only)

BATTERY

Battery Capacity Up to 57 Ah
Battery Voltage 3.6V
Battery Technology Lithium Primary

ENVIRONMENTAL SPECIFICATIONS

Temperature -30° to +65° C (operating and storage)
Humidity 95% RH @ 50° C non-condensing
Shock and Vibration U.S. Military Standards 202G, 810F, SAE J1455
ESD IEC 61000-4-2 (4KV test)

REGULATORY APPROVALS

Industry Certifications FCC, IC, PTCRB, RoHS

DEVICE MANAGEMENT

PULS™ Monitor, manage, upgrade firmware, configure and trouble-shoot devices remotely

EMBEDDED INTELLIGENCE ENGINE

PEG™ Behavioral scripting (8-bit support)
Accelerometer Built-in, triple-axis (motion sensing, tilt detection)
Geo-fences 10 built-in
Buffered Messages 2000

COMPATIBLE TRACKING MANAGEMENT SOFTWARE

FleetLined - Web Based Subscriber Service
POWER-trak3 - PC/Client/Server/Cloud/Web
FleetControl—API integrates solution to third party non-CES software systems, e.g. 911, CAD etc.
Your own Software direct decode

CONNECTORS/SIM ACCESS

GPS Antenna Internal
Cellular Antenna Internal
SIM Access Internal (2FF SIM)

WARRANTY

Two Years



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