iTRAKopus™ Asset

Trailer Tracking Unit

The iTRAKopus™ Asset is a battery operated non-rechargeable trailer tracking product designed for reliable, multi-year deployments. The iTRAKopus™ Asset is an ideal solution for managing assets that will be deployed for long periods without maintenance needs.

Competitive Price, Competitive Technology, Competitive Edge

The iTRAKopus™ Asset high-value tracking unit that features a small size, superior GPS performance, and an internal 57 Ah battery. The iTRAKopus™ Asset is a complete trailer and asset tracking and communications device incorporating next-generation, sensitive GPS technology on GSM/GPRS cellular networks for installation in any mobile asset. Superior internal antennas for both cellular and GPS eliminate the need for wired antennas and make the iTRAKopus™ Asset tracking system mountable virtually anywhere in the trailer for easy, inexpensive installations. Messages are transported across the GSM/GPRS network using enhanced SMS or UDP messaging providing a reliable communications link between the device and your application servers. The iTRAKopus™ Asset is designed to dramatically reduce cost, power and size while providing excellent field reliability.

Flexibility

The iTRAKopus™ Asset employs industry leading GPS position remote updating technology, and over the air-programming. The advanced CPU engine monitors external conditions and supports customer-defined exception-based rules to help meet the needs of your application. The system continuously monitors the vehicle environment and responds instantaneously to pre-defined threshold conditions related to time, date, motion, location, geo-zone, input and other event combinations. Your unique application will meet demanding customer requirements. This behaviour can be programmed by iTAK® before shipment, at a customer’s facility, or over-the-air once the unit has been installed in the field.

Experience The Advantage

- 5000 messages – 2000 buffered messages (cycles on fully charged battery pack)
- 15 years with 0 messages until a final 30 min tracking session
- 7 years with single message cycle per day on fully charged battery pack
- Superior cellular and GPS quality
- IP67 sealed and rugged enclosure, internal GSM and GPS antennas
- Built-in motion sensor
- Built-in cellular and GPS antenna for easy installation
iTRAKopus™ Asset Specifications

General
Communication Modes: GPRS packet data and SMS
Location Technology: 50 Channel GPS
Operating Voltage: 3.6V internal battery pack

Location Specification:
Location Technology: 50 channel GPS (with SBAS)
SBAS: WAAS, EGNOS, MSAS, GAGAN
Location Accuracy: 2.0 meter CEP (with SBAS)
Tracking Sensitivity: -160dBm
Acquisition Sensitivity: -147dBm
AGPS capable

Battery Pack Specifications:
Battery Capacity: 57 Amp Hour
Battery Operating Voltage: 3.6V
Battery Technology: Lithium
Field Replaceable Battery Pack

GSM Specifications
Data Support: SMS, GPRS (UDP)
FCC- Parts 22, 24, PTCRB
GPRS: Up to class 10
Quad-Band: 850/900/1800/1900MHz
Output Power: 850 (Class 4) 2W
900 (Class 4) 2W
1800 (Class 1) 1W
1900 (Class 1) 1W

Electrical Specification
Operating Voltage: 3.6V internal battery
Power consumption:
<1mA (Deep Sleep)
<10mA (Sleep on Network)
<70mA (Active Standby)

Physical Specifications
Dimensions: 2.25x2.25x10.5” (55x55x260mm)
Weight: 32oz (907g)

Environmental Specifications
Temperature: -30C to+75C (operating), -40C to +85C (Storage)
Humidity: 95%RH @ 50C non-condensing
EMC/EMI: SAE J1113; FCC-Part 15B; Industry Canada
RoHS Compliant

Mounting
Screw Mount
Magnetic Mount

Cloud Software Support
iTRAK®Fleet Executive Mapping Software (iFE)