![RTS REMOTE TRACKING SYSTEMS]

High Performance GPS Tracking

SATCOM Series

DESCRIPTION

The RTS SATCOM Series is a high performance tracking system using Iridium satellites to communicate the position of people, vehicles and other remote assets. The technology is most suitable for tracking units located in remote area where global cellular wireless service is not available.

Remote tracking units, equipped with GPS receivers, report their position to the RTS Command and Control System (CCS). The CCS integrates the tracking data with the RTS web-based geo-spatial display system, vMonitor.

The SATCOM series can simultaneously track 1000s of assets, each transmitting ID, GPS position, heading, and speed.

The system may be integrated with smart phones, to send and receive email and text messages, local RFID, and other sensors via Bluetooth to provide a comprehensive picture of an organization's people and assets.

SPECIFICATIONS

Tracking
4096 stored breadcrumbs

Usage
Stand-by life: 60 days
On life: 5-7 days
Maximum Update Rate: 5 minutes

Iridium Transceiver
Frequency: 1616 – 1626 MHz
RF Power: 1.6W (Max)

GPS Receiver Acquisition Time (maximums)
Hot Start: (Open Sky): 2s
Hot Start: (Indoor): 15s
Cold Start: 35s (new almanac data not required)
Cold Start: 15m (new almanac data required)

Certifications
UL 1642 Certified
UN 38.3 Certified

Mechanical
Dimensions: 4.74" x 2.64" x 1.27"
Weight: 186 grams

Environmental
Waterproof: 1 meter (IP67 compliant)
Operating Temperature: -20°C (-4°F) to +55°C (131°F)
Stowage temperature: -30°C (-22°F) to +70°C (158°F)

Electrical
Battery: 2000mAh Lithium Polymer

ORDERING INFORMATION

Product	Part #	Description	Notes
Remote Field Tracking Units	GSM-PTU	Personnel Tracking Unit	
vGateway Server	RTS-VGW	Middleware hosted on Dedicated Linux Server with full database.	(1)
vMonitor Software	RTS-VMON	Geo-spatial graphing and display software	

NOTES: (1) Can be implemented on virtual server through VMWare. Contact factory for details.