

## FLT-XT-4970

Energy harvesting dual carrier LTE platform for long term, remote deployments.

- Dual carrier (AT&T & Verizon)
- Internal temperature sensor
- Integrated GPS receiver and antenna
- 16mb flash memory



### Advanced Asset/Trailer Tracking Features

FLT-XT4970 is an energy harvesting dual carrier LTE platform supporting long term, remote deployments without the need to replace the battery.

FLT-XT4970 utilizes a high efficiency solar panel to charge and maximize the operating life of the internal Lithium Ion battery. Customers who require frequent data for location, health and monitoring of their remote assets can be assured that FLT-XT4970 will provide more frequent data for longer periods compared with other asset tracking devices in the market today.

Designed to withstand various environmental factors, the FLT-XT4970 is designed and tested to meet IP67 rating. With a fully sealed, protective case the device can be deployed in marine and desert environments. The FLT-XT4970 supports optional IEEE 802.15.4 Zigbee®, dual mode Bluetooth® and configurable IO interfaces to accommodate various sensors applications.

### Device Benefits

- Dual Carrier (AT&T and Verizon) LTE/HSPA+ Cat. 4
- LED status indicators for GPS lock, Cellular and WLAN communication
- Over-the-Air firmware upgrade
- Supports SMS, TCP, UDP, UDP/ACK, FTP
- 3-Axis Accelerometer and Motion Detector
- Internal Temperature Sensor
- Integrated GPS receiver and antenna for tracking applications
- Integrated LTE Band Antenna
- 10.6 Ah Backup Battery
- Optional Bluetooth®, ZigBee® and IO Config. with embedded Antennas

### Applications:

- Over the road trailers
- Compressors and generators
- Containers and tanks
- Shipping containers and cargo units
- Heavy equipment
- Alternative to expensive satellite communications

## Technical Specifications



## GPS Specifications

Receiver Type . . . . . 72 channel  
Receiver Tracking Sensitivity . . . . . -165 dBm  
Accuracy . . . . . +/- 2.5m CEP  
TTFF Cold Start . . . . . 27 seconds (Typical)  
TTFF Hot Start . . . . . 1 second (Typical)

Operating Temperature Charge: . . . -20°C to +60°C  
Discharge . . . . . -40°C to +70°C  
Storage Temperature . . . . . -40°C to +60 °C  
Battery Life Cycle . . . . . >4000

## Power Requirement

D.C Power . . . . . 8-24VDC input (from up to two independent input sources)  
Internal Battery . . . . . 10.6 Ah Li-Ion battery  
Average Idle Current (Battery) . . . . . 120mA typ.  
Sleep Current (Battery) . . . . . 140uA typ.  
Solar Charge Current . . . . . 150mA typ.

## Certifications

PTCRB  
FCC  
IC  
AT&T  
Verizon

## Physical Interface

Harness Connector . . . . . 8-pin Circular Bayonet  
Serial Interface . . . . . RS232  
Optional I/O . . . . . 1 Dig. Input, 1 Dig. Output,  
2 ADC Inputs  
Multi-function ON/OFF Switch . . . Sleep/Wake/ZGB  
/BLE Pairing

## Mechanical

Case Material . . . . . PC+PBT, IP67 rated  
Dimensions . . . . . 8.45" x 4.73" x 1.06"  
(21.5 x 12 x 7 cm)  
Weight . . . . . 24 oz. (680 grams)

