

# ArrowTrack 3G



## Product description

Rev. 3 – 16/11/2018

## 1. Overview

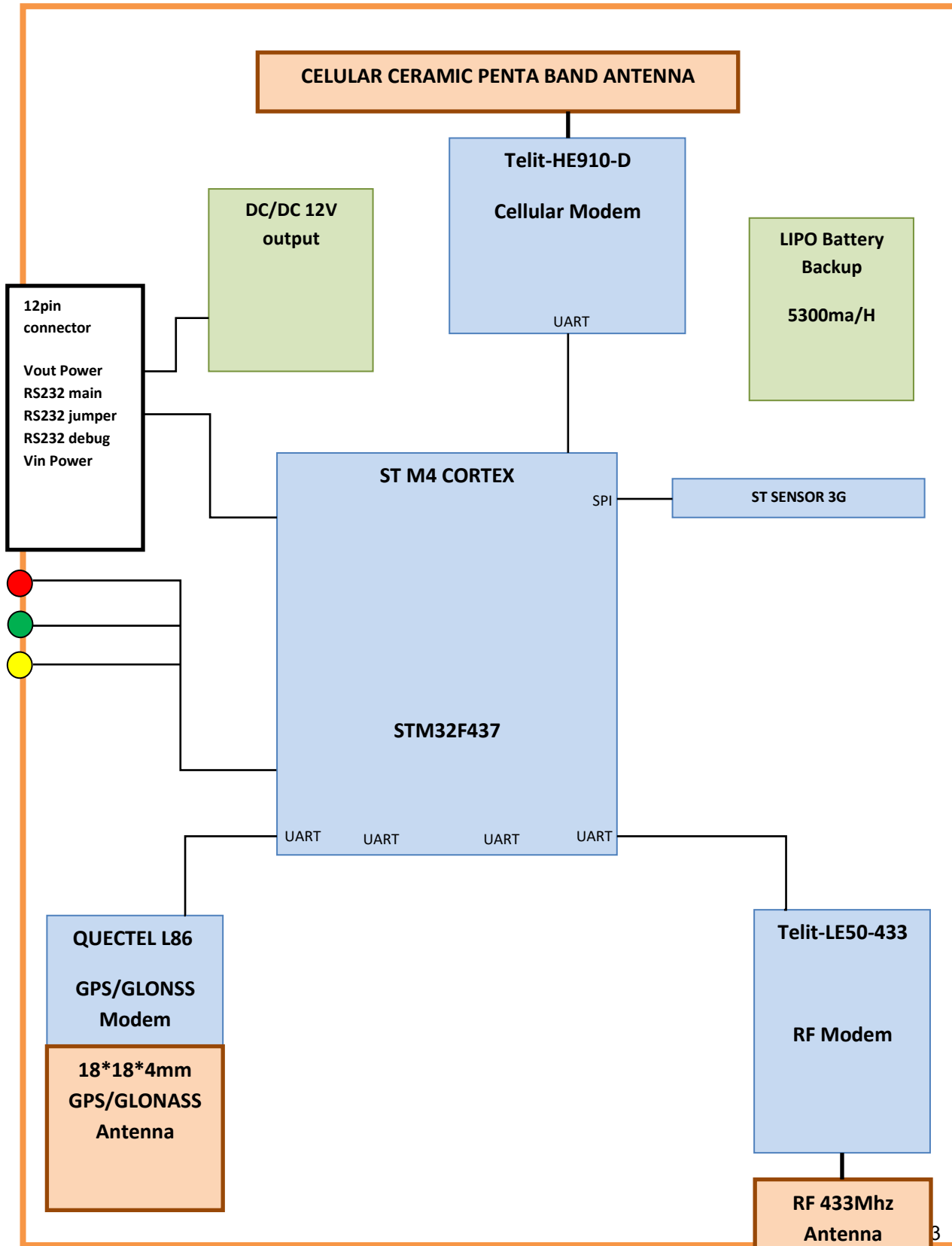
The ArrowTrack 3G is a complete Cellular GNSS RF Terminal.  
Based on CELLULAR GPS/GLONASS RF modules.  
This full solution for TRACKING applications.

## 2. Hardware Interface Description

### 2.1 Main features of the ArrowTrack 3G

Feature	Implementation
Incorporates Telit HE910-D CELLULAR Frequency bands FCC ID: R17HE910	The module handles all GSM/UMTS processing: GSM: 850/900/1800/1900MHz UMTS   HSPA+ bands (MHz) 800/850, 900, AWS 1700, 1900, 2100 MHz
Incorporates QUECTEL L86	The module handles all GPS/GLONASS processing
Incorporates Telit LE50-433 or RF Frequency bands	The Telit module handles all RF processing RF – 433Mhz
ST CORTEX M4 Microcontroller	For all processing including up to 1M program memory, 8 UARTs, FLOATING POINT
connector 12 pin micro-fit 3mm	12v output RS232 main RS232 jumper RS232 debug POWER input voltage 24VAC
Antenna	Internal antennas: GSM/UMTS, GPS/GLONASS, RF 433
Back up Battery	1 Cell lithium-ion rechargeable cell, 5300MA

## 2.2 Hardware block diagram



## 5. Mechanical Characteristics

### 5.1 General mechanical description

Weight	350g
Dimensions (max) L x W x H	210mm x 40.8mm x 40.2mm
Case material	Plastic – Nylon 70% + 30% Fabrics

### 5.2 Environmental requirements

Operating temperature range	-40°C to +80°C
Humidity	5% - 85%

### 5.3 Protection class

IP40 Avoid exposing the Terminal to liquid or moisture.

### 5.4 RoHS compliance

All hardware components are fully compliant with the EU RoHS and WEEE Directives.

### 5.4 CE Mark - FCC ID: 2ANZWARRTRACK3G433