

# ArrowTrack 3G



## Product description

Rev. 3 – 16/11/2018

## 1. Overview

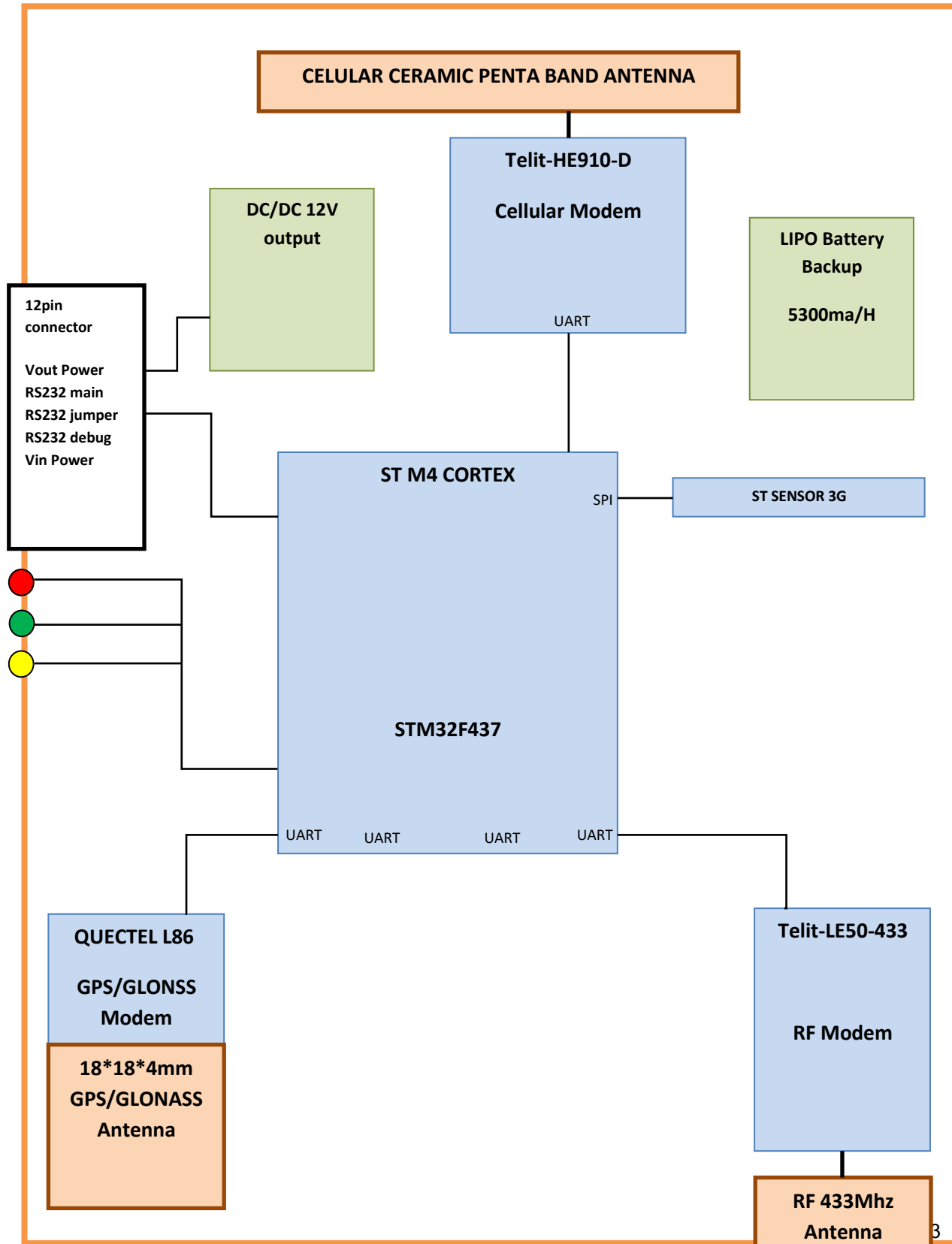
The ArrowTrack 3G is a complete Cellular GNSS RF Terminal.  
Based on CELLULAR GPS/GLONASS RF modules.  
This full solution for TRACKING applications.

## 2. Hardware Interface Description

### 2.1 Main features of the ArrowTrack 3G

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