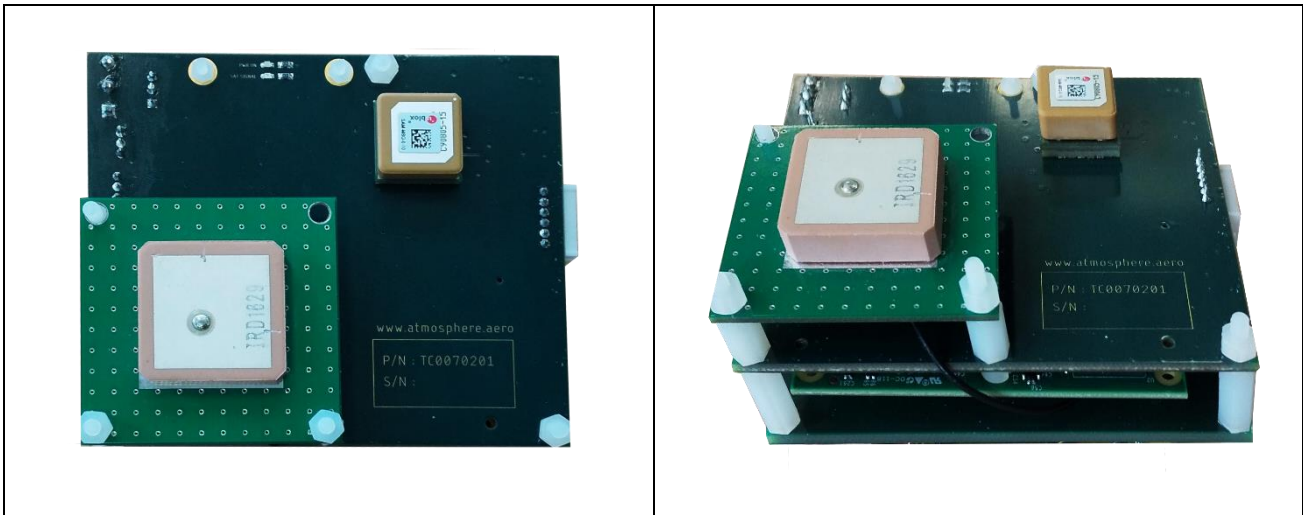


Balloon Tracker - Technical Specifications



Functional Description

The Balloon Tracker is designed for location monitoring of atmosphere sounding balloons. The beacon integrates its own GPS and uses Iridium 9603 SBD messaging for ground to air exchanges. The Balloon Tracker is powered with a lithium battery that offers 6 hours of autonomy in standard transmission scenarios.

Application

The Balloon Tracker is primarily used to monitor location of atmosphere sounding balloons in real-time. In addition, the satellite communication capability can be used to exchange control and command information with the Balloon's systems, and downlink in-situ measurements from payload instruments.

Features

- Fanless ARM Processor Board
- Linux OS
- Memory: 128GB
- Operating Temperature: -25°C to +60°C
- Altitude : 50000m

Power requirements

- Internal Battery
- Battery Life : 5 - 6h

Board Characteristics

- Dimensions: 85 x 75 x 35 mm
- Weight: 170g

Connectivity & Sensing

- Iridium 9603N Modem
- GPS receiver
- Sensors : Inertial, Pres ,Temp, Hum

Order Information

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