Iridium Certified Product
PLANET Terminal
PLANET Terminal Specifications

**Functions**
- Managed Network Service with QoS
- Web/API PLANET Service

**Features**
- Fanless ARM Processor Board
- Linux OS
- Memory: 128GB
- Operating Temperature: -25°C to +70°C
- Managed Network Service with QoS

**Power requirements**
- Power supply: 9 ⇒ 32VDC
- Max Consumption: 700mA@12VDC
- Peak Consumption: 2A@12VDC

**Mechanical**
- ABS Case
- Enclosure: 150 x 100 x 30 mm
- Weight: 260g
- OEM Board TC06 96g

**Connectivity & Sensing**
- Iridium 9523 Modem (2.4kbps)
- Cellular Modem
- Wifi Module
- GPS receiver
- Sensors: ADS-B, Inertial, Pres. (options)
PLANET Terminal USE CASES

**Aircraft Operation**

PLANET Terminal is installed on DLR Cessna 208B for airborne scientific research.

**UAV/USV Operation**

PLANET Terminal is installed on several UAV/USV. PLANET Terminal enables UAV/USV to operate in BVLOS (Beyond Visual Line Of Sight) conditions.

**Rotorcraft Operation**

PLANET Terminal used for H160 ferry flight to Finland.

**Multi aircraft/ship mission EUREC4A 2020**

Thanks to PLANET Terminal, all the stakeholders (aircraft/ships/UAVs operation team, researchers, project management team, etc) can share data in real-time.
BOREAL’s drone performed ~50 hours and ~5000 km of flight in BVLOS (Beyond Visual Line Of Sight) conditions

- **Light terminal**: 260g (OEM board TC05 90g)
- **Long distance**: Even beyond radio horizon, or ground networks coverage (LTE), satellite communication links UAV to ground anywhere.
- **C2 and Payload communication**: PLANET Terminal enables to transmit UAV command and control information, as well as payload data (sensor, image). QoS management guarantee delivery of C2 traffic.
Contact

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