

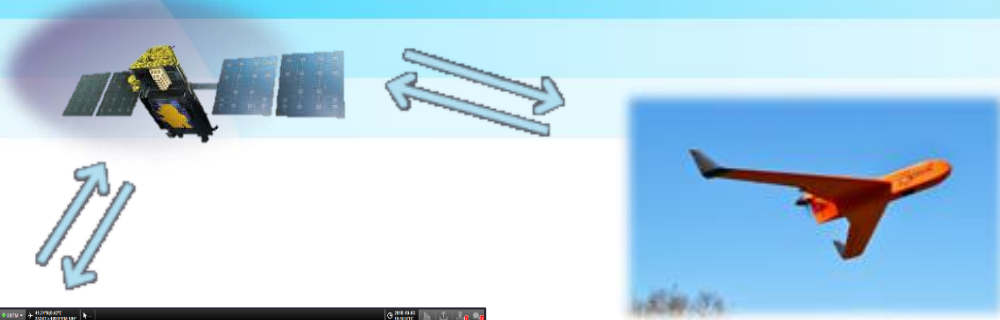
ATMOSPHERE

Iridium Certified Product PLANET Terminal



jean-marc.gaubert@atmosphere.aero
www.atmosphere.aero

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



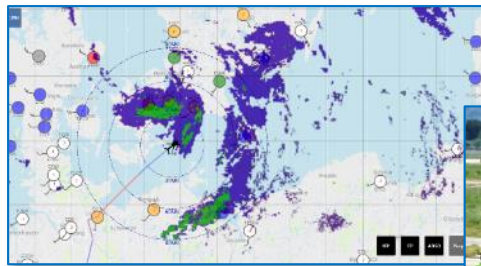
BOREAL



SEA PROVEN

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



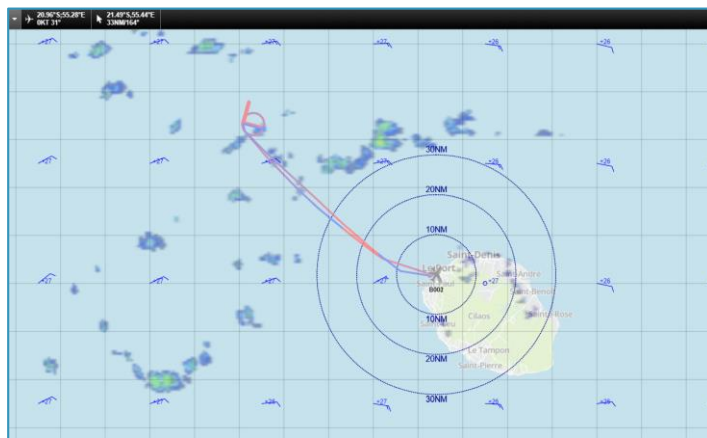
Thanks to PLANET Terminal, all the stakeholders (aircraft/ships/UAVs operation team, researchers, project management team, etc) can share data in real-time.

PLANET Terminal UAV USE CASE



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.



UAV tracking

Weather radar image

Wind/Temperature on PLANET

Contact

- **ATMOSPHERE France**

Parc Technologique du Canal
Villa Sacramento
14, avenue de l'Europe
31520 Ramonville, France

Phone: +33 (0) 9 50 83 51 73

Fax: +33 (0) 9 55 83 51 73

Jean-Marc Gaubert

Managing Director

+33 (0)6 70 23 16 12

jean-marc.gaubert@atmosphere.aero

- **ATMOSPHERE Germany**

Argelsrieder Feld 22
82234, Wessling, Germany

Phone: +49 (0) 8153 88678-255

Fax: +49 (0) 8153 88678-555

Markus Werner

Business Development

+49 (0) 8153 88678-255

markus.werner@atmosphere.aero



www.atmosphere.aero



contact@atmosphere.aero



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