

PLANET 9523 UAV Terminal – Technical Specifications



Functional Description

PLANET 9523 UAV Terminal is a light equipment that enables mobile data communication on the ground, in the air, or at sea, using Iridium satellite constellation or cellular networks.

PLANET 9523 UAV Terminal acts as a universal mobile router equipment for Autonomous Systems connectivity, and for real-time Critical Mission data exchange. The terminal can route generic IP packets and supports remote platform management protocols such as MQTT or MAVLINK.

Embedded application software provides added value functions such as tracking, telemetry, messaging, weather data exchange and more. Hosted in the cloud, PLANET web user interface enables access to the service to any connected device such as tablet, laptop or desktop.

PLANET 9523 UAV Terminal operates over a wide range of input voltage (9.0-36VDC) and is interfaced with external processors through Ethernet, Serial or Wifi link (option). It has an extensive storage capacity (SD Card), and includes a GPS receiver for autonomous timing and location.

Features

- Iridium Certified Product (TC006)
- Fanless ARM Processor Board
- Linux OS
- Memory: 128GB (default)
- Operating Temperature: 0°C to +50°C
- No internal battery

Power requirements

- Power supply: 9.0 ⇒ 36VDC
- Average Consumption: 700mA@12VDC
- Peak Consumption: 4.5A@12VDC/6A@9VDC

Mechanical Characteristics

- Flame-resistant ABS UL94V-0 Enclosure: 180 x 100 x 30 mm
- Weight: 260g

Connectivity & Sensing

- Iridium 9523N Modem
- Cellular Modem (option)
- Wifi Module (option)
- GPS receiver

Order Part Number : TE012

Order Information

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