ATMOSPHERE

PLANET 9770 UAV-L-HP Terminal Datasheet

Functional Description

The PLANET 9770 UAV-L-HP Terminal answers mobile communication requirements of UAV systems with Iridium Certus™ 100 satellite service. It delivers native IP connectivity with Midband throughput (88kbps MT, 22kbps MO).

The PLANET 9770 UAV-L-HP offers local interfaces (Power, Ethernet, Serial), and includes a GNSS receiver for autonomous location and timing.

The PLANET 9770 UAV-L-HP uses a high-profile passive antenna that can be easily installed on the UAV, without ground plane required. Antenna specs: 100g, 125mm height, 45mm diameter.

In addition to mobile IP routing capability, embedded PLANET application, available through a web interface, provides added value functions such as tracking, collaboration tools, telemetry handling and weather upload services.

Interfaces

- DC Power Supply
- 1 Ethernet (10/100/1000)
- 2 Serials
- GNSS: SMA Female
- IRIDIUM: TNC Female

Features

- Iridium Certus™ 100 Modem 9770
- GNSS Receiver
- Fanless Processor (SMARC)
- High Reliability Power modules
- Extensive SSD Storage

Environmental & SWaP Characteristics

- Operating Temperature: -15°C to +50°C
- Non flammable ABS UL94V-0
- 175 (W) x 120 (D) x 50 (H) mm or 205,4 (W) x 120,4 (D) x 50 (H) mm flange mount option
- Weight: 759g
- Power Supply: 18-36VDC, 10W average 25W peak
- Flange mount option
- Iridium® Certified

Order Information

France: ATMOSPHERE Sarl, 14 Avenue de l'Europe, 31520 Ramonville, Tel: +33 (0) 5 67 73 38 63
Germany: ATMOSPHERE GmbH, Argelsrieder Feld 22, 82234 Wessling, Tel: +49 (0) 8153 88678-255
sales@atmosphere.aero   www.atmosphere.aero