

PLANET 9770 FTI Terminal Technical Specifications



Functional Description

The PLANET 9770 Flight Test Instrument (FTI) Terminal is an equipment that enables mobile communication in the air, using Iridium Certus satellite service. Cellular 4/5G is supported while on-ground (optional feature).

It offers local interfaces (Power, Ethernet x2, Serial x3, WiFi optional), Iridium connectivity, mSata storage capacity and includes a GNSS receiver for timing and location.

With a low-profile passive antenna, Iridium Certus 100 provides native IP connectivity (up to 88kbps).

In addition to IP routing capabilities, embedded PLANET application, available through an additional user tablet or PC terminal, provides added value functions such as tracking, messaging and weather data exchange. Additional application software can also enable video processing.

Interfaces

- DC Power Supply
- 2x Ethernet (10/100/1000)
- 3x Serial
- GNSS: TNC Female
- IRIDIUM: TNC Female

Features

- Fanless Processor (SMARC Module)
- Linux OS
- mSata Storage
- Iridium Certus 100 Modem 9770
- GNSS
- Operating Temperature: -15 to +55°C
- Aero certified 3.5in passive antenna
- DO-160G Qualified transceiver

Mechanical & Power Characteristics

- Flanged heat-sink aluminum enclosure
- Size: 220(W) x 125(D) x 63.25(H) mm
- Weight: 1.475 kg
- Power: 18-36V, 10W avg, 25W max

Order Information

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