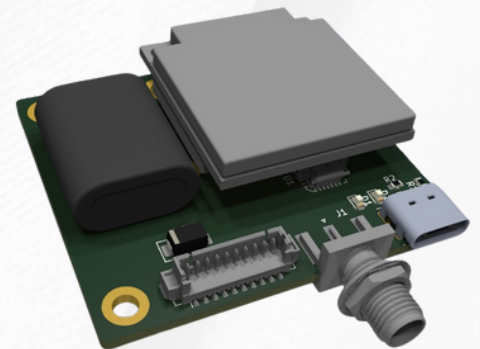
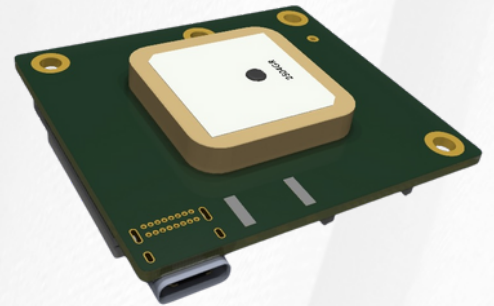


DESCRIPTION

The Fusion, a versatile satellite communication device, incorporates the Iridium 9603 transceiver, an integrated antenna, and power management capabilities. It is a compact and durable device designed for sending and receiving small text or binary messages from any location with a clear view of the sky. Compatible with Arduino, Windows, Mac, Linux (including Raspberry Pi), and various platforms with serial or USB ports, the Fusion enables easy connectivity.

The on-board USB-C port facilitates power delivery and signaling between the user application and the Fusion. The board also includes options for connecting Li-Ion battery packs and external antennas. The Fusion also allows users the flexibility to choose their preferred satellite data providers.



APPLICATIONS

- Satellite IoT tag
- Uncrewed Aerial Systems
- Remote area communications
- Development platform for the Iridium 9603 transceiver

SPECIFICATIONS

Iridium Transceiver

Power: 2-5.5 VDC, 100 mA min/450 mA max

Operating Temperature: -30 – 70 degree C

OEM Size

Enclosure: 45 x 45 x 15 mm, 45 grams

Communication: Direct USB-C and 3.3V UART

AT A GLANCE

- Plug-and-play bidirectional satellite communication
- USB-C port for power and signals
- Multiple antenna and battery options
- Small size and weight
- Compatible with most Single Board Computers