SUNHILLO

Longport ADS-B Receiver Module

FEATURES

- Supports 978MHz UAT ADS-B and 1090MHz ADS-B and TIS-B

- Decode ADS-B data transmissions

- Supports ADS-B and 5 additional Processor Modules

- Front panel GPS, RF antenna input connections

- Longport Modules provide radar & ADS-B distribution and conversion

Sunhillo's Longport platform is a robust, versatile and modular system designed for Surveillance Sensor Data Distribution and message conversions and now with the addition of the **ADS-B Receiver** module it accepts and decodes 1090MHz and 978MHz ADS-B and TIS-B.

Sunhillo's ADS-B Receiver accepts the transmission directly into the module from a TNC connector for the RF antenna feed. Additionally the module has 1 SMA connector for the GPS input. The module also features a fully integrated GPS receiver. Outputs include a variety of destinations and formats including ASTERIX and the ability to output CD2 (Virtual Radar) for compatibility with legacy systems in an interim transition phase.
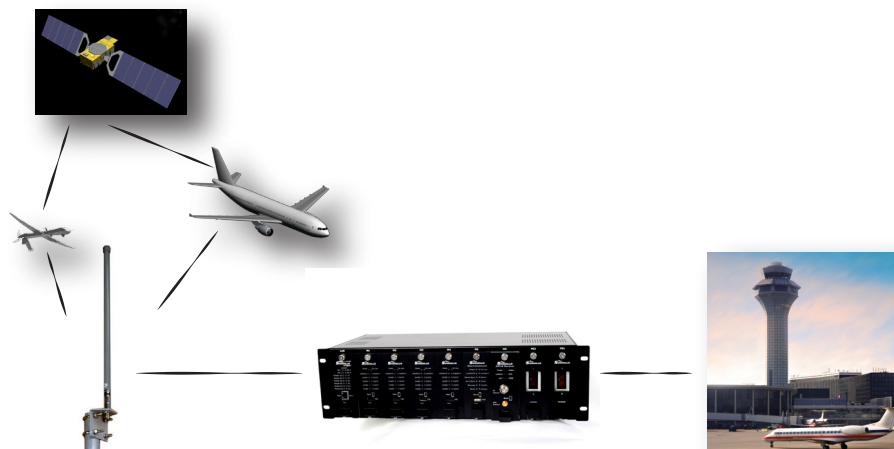
Sunhillo's Longport Platform is FAA approved and deployed, providing sensor interfacing capabilities for the FAA STARS, TAMR, ASR11, as well as the military DASR program

Longport: ADS-B Receiver Module

Technical Specifications

Interface
• ADS-B Module includes GPS and RF antenna input with optional 5 additional Longport Processor modules

Serial Port Controls
• RS-232, RS-422, RS-449, RS-485, V35, V36, EIA-530, EIA-530A

Ethernet
• 10BASE-T, 100BASE-T, 1000BASE-T, IEEE-802.3

Protocols
• Synchronous, Asynchronous, HDLC/SDLC, Bi-Sync, Mono-Sync, TCP/IP, UDP/IP

Message Format
• SGF, ADS-B, ASTERIX, AIRCAT-500, NAS Interfacility, Mode 4, Mode S, MAR, TPS75, ARTS, CD-2, ASR9/11, custom

Clock Sources
• DCE, DTE, Split Clock, rates from 50-64000 standard

Agency Certifications
• FCC Part 15, Class A
• UL 60950-1
• ROHS - EU Directive 2002/95/EC

Compliance
• All currently applicable ANSI/ISO standards
• RoHS/WEEE

Power
• Single or Dual (load sharing)
• 100-240VAC, 1.5 Amp Max Power Supply

Dimensions
• Width: 19in / 483mm
• Height: 5.25in / 133mm
• Depth: 9.6in / 243mm
• Weight: 15lbs / 6.8Kg

Temperature / Humidity / Altitude
• Operating: 50 to 104°F (10 to 40°C)
• Non-operating: –58 to 140°F (–50 to 60°F)
• Humidity Operating: 10 to 80%(RH non-condensing)
• Humidity Non-operating: 0-100% (condensing)
• Altitude Operating: Low Pressure Operation/Air Carriage -300' to +10,000'
• Altitude Non-operating: Low Pressure Storage/Air Transport 0' to +50,000'

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