T-350
T-300 Series: Tail Mount Broadband Data SATCOM System For External Modems

Remote Modem Connectivity System
• Interface T-350 connectivity system with any desired external remote modem via Ethernet connection.
• Allows modem upgrades and changes without affecting connectivity system.
• Ideal for special mission / ISR aircraft applications requiring customer defined modems to be used.

High-Performance Connectivity System
• Send and receive mission data, browse the internet, send and receive emails, make calls using Voice-Over-IP (VoIP), access VPN services, conduct video conferences, utilize your favorite work or entertainment applications.
• Provides dual capability of Ku-band DBS-TV or broadband data satellite reception in a single antenna package.
• Works seamlessly with laptops, tablets, and smart phones when paired with on-board WiFi WAP equipment.

Robust Design
• Satellite tracking design allows for full continuous motion in azimuth and -0 to +90 degree motion in elevation.
• Provides full reception performance during aircraft flight maneuvers, even at higher latitudes.

Global Coverage
• With Ku-band you can operate globally without settling for regional only coverage.
• With Ku-band you can select from many different satellite operators. This provides flexibility and operational security.

KEY BENEFITS
• Interfaces to remote modems via standard Ethernet cabling and interface.
• Keeps you connected, productive & entertained.
• Global operation even over water.
• Provides Ku-band broadband data or DBS-TV satellite reception.
• Open-architecture: can operate over any Ku-band network when paired with compatible modem.
Inputs

- **Power**: +28 VDC
- **Control Interface**: Ethernet
- **Modem Interface**: Ethernet
- **Navigation Interface**: ARINC 429
- **Discrete Interface**: WOW, Flap Position

LRUs

The T-350 system is composed of 5 aircraft LRUs:
1. Gimbal Antenna Unit (GAU).
2. Antenna Control Unit (ACU).
3. Low Power Transceiver (LPT).
4. Power Amplifier Unit (PAU).
5. Diplexer.

Certification

- **RTCA DO-160 & DO-178 compliant.**
- **Design based on proven technology used on multiple aircraft types.**

Compatible Modems

- T-350 will interface with any compatible modem via Ethernet communication.

### T-350 SPECIFICATIONS

#### Typical Performance

- **GAU Aperture Size**: 29 cm
- **EIRP**: 41.9 dBW (25W PAU)
- **G/T (15°K Sky Temperature)**: 11.5 dB/K @ 12.75 GHz
- **Receive Frequency**: 10.7 GHz to 12.75 GHz
- **Transmit Frequency**: 13.75 GHz to 14.5 GHz
- **Polarization**: Linear Tx/Dual Pol Rx, Dual Pol Circular Rx only
- **Cross Polarization Rejection**: 20 dB
- **Polarization Control**: 45° ± 10°
- **Field of View**:
  - Azimuth (continuous): 360°
  - Elevation: +90° to -0°
- **Roll, Pitch, Heading Rates of Change**: >12.0° / Second
- **Roll, Pitch, Heading Acceleration**: >12.0° / Second / Second
- **Pointing Accuracy**: <0.2°

#### Weight

- **GAU**: 23.5 Lbs (10.7 Kg)
- **ACU**: 12.2 Lbs (5.5 Kg)
- **Diplexer**: 0.2 Lbs (0.1 Kg)
- **LPT**: 13 Lbs (5.9 Kg)
- **PAU**: 8.6 Lbs (3.9 Kg)

#### Operating Temperature

- **GAU**: -55° to +70° C
- **ACU**: -40° to +70° C
- **LPT**: -40°C to +70°C
- **PAU**: -55° to +70°C
- **Diplexer**: -55° to +70°C

Get Started Today

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