



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.

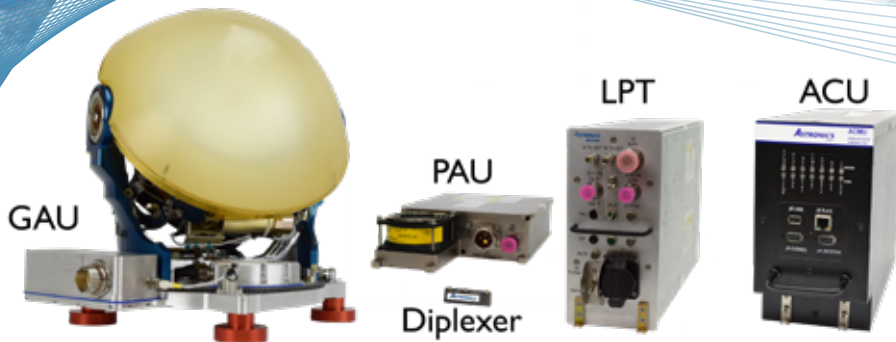
Global Coverage

- 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

T-350 system is composed of 5 aircraft LRU's:

1. Gimbal Antenna Unit (GAU).
2. Antenna Control Unit (ACU).
3. Low Power Transceiver (LPT).
4. Power Amplifier Unit (PAU).
5. Diplexer.

Get Started Today

For additional details, please contact Astronics AeroSat.

220 Hackett Hill Rd.
Manchester, NH 03102



+1.603.879.0205

AeroSat.Info@Astronics.com
www.aerosat.com

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: 29cm
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°±105°
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) (ARINC 600 - 4 MCU)
Diplexer: 0.2 Lbs (0.1 Kg)
LPT: 13 Lbs (5.9 Kg) (ARINC 600 - 3 MCU)
PAU: 8.6 Lbs (3.9 Kg)

POWER:

LPT: 400 Watts Typical
ACU: 60W Typical

OPERATING TEMPERATURE:

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