The Viasat Global Aero Terminal 5520 is a Ka-band aviation satcom terminal that enables broadband in-flight connectivity services for commercial and government users on the world’s high-capacity satellite network. Capable of delivering the industry’s highest data speeds to the aircraft, the fuselage-mounted antenna and onboard modem can be configured for a wide variety of in-flight applications and missions. This terminal integrates easily into medium and long-range airframes, plus line-fit options offer procurement flexibility.

THE ONLY PATH TO MULTI-TERABIT NETWORK CAPACITY
The Viasat Global Aero Terminal 5520 delivers today’s fastest in-flight connectivity and the only path to an ultra-high capacity satellite network. We already operate the world’s highest capacity Ka-band satellites over North America. The launch of Viasat-2 will expand Ka-band coverage across North and Central American, Caribbean, and trans-Atlantic routes, and the Viasat-3 constellation of 1 Tbps Ka-band satellites will provide the industry’s only truly global, truly broadband in-flight internet services.

A VARIETY OF COMMERCIAL AND GOVERNMENT APPLICATIONS AND MISSIONS
» High-speed internet and streaming video to everyone on board
» Cockpit and cabin crew connectivity
» Real-time transfer of aircraft operational data
» Delivery of HD video streams off the aircraft

GLOBAL AERO TERMINAL 5520 AT-A-GLANCE
High-Speed Connectivity
» Capable of delivering the industry’s highest data speeds to the aircraft
» Supports multiple simultaneous high-quality video streams
» Military and Commercial Ka-band satellite connectivity
» Coverage over key military regions and busiest passenger air routes
» Private government in-theater networks available for specific mission charters

Primary Applications
» Airline passenger access to the full internet with freedom to stream any content, including broadcast TV
» Cabin and cockpit crew connectivity for insight into operations
» Enroute government C3 and VIP transport communications for data, VoIP, VTC, and internet access
» Real-Time Intelligence, Surveillance and Reconnaissance (ISR) with HD Video to monitor a mission’s progression throughout execution
» Private VVIP aviation internet and streaming media services for large number of users
**SPECIFICATIONS**

**ANTENNA**
- Class: Medium profile full duplex Ka-band airborne antenna
- Array Configuration: Suitable for most medium and long-range commercial airframes
- Aperture: Ka-band dual-polarized RHCP/LHCP horn array
- RF Electronics: Integrated full ITU band Tx/Rx electronics on aperture
- Antenna Control: Integrated Antenna Control Unit (ACU) on antenna positioner
- Swept Diameter: 37.30 in.; 94.74 cm
- Height: 8.60 in.; 21.84 cm
- Antenna Power Supply: ARINC-791 “KANDU” form-factor
  - Input Power: 115 VAC, 360-800 Hz

**MODEM**
- Size: 4 MCU ARINC 600 compatible
- Power Source: 115 VAC, 360-800 Hz
- Baseband Interfaces:
  - LAN Interface: 4 x Gigabit Ethernet
  - IRU Interface: ARINC 429, RS-422, or Ethernet

**SUPPORTED AIRCRAFT**
- **Airbus**: A320, A330, A340, A350, A380 series aircraft
- **Boeing**: 737, 747, 757, 767, 777, 787 series aircraft