The ViaSat Global Aero Terminal 5530 is a hybrid Ka- and Ku-band aviation satcom terminal that enables global broadband 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 multi-band 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.

**SEAMLESS GLOBAL ROAMING ON THE BEST AVAILABLE BROADBAND NETWORK**

This advanced hybrid terminal traverses through our high-capacity Ka-band and global Ku-band satellites without reconfiguration to keep passengers connected as they fly.

**THE ONLY PATH TO MULTI-TERABIT NETWORK CAPACITY**

The ViaSat Global Aero Terminal 5530 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 plus Ku-band coverage for global fleets and missions. The launch of ViaSat-2 will expand Ka-band coverage across North and Central American, Caribbean, and trans-Atlantic routes. 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 5530 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
- Ku and Ka satellite connectivity, including Military and Commercial-Ka
- High-capacity 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
Global Aero Terminal 5530

SPECIFICATIONS

ANTENNA

Class
Medium profile dual Ku-/Ka-band airborne antenna

Array Configuration
Suitable for most medium and long-range commercial airframes

» Ka-band
Waveguide horn array; with electronically switched circular, RHCP/LHCP, cross or co-polarization

» Ku-band
Waveguide horn array; with linear, electronically switchable cross and co-polarization

RF Electronics
Integrated full ITU band Tx/Rx electronics on aperture

Antenna Control
Antenna Control Unit (ACU) on antenna positioner

Swept Diameter
39.25 in.; 99.70 cm

Height
11.30 in.; 28.70 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

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