



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

## SPECIFICATIONS

### ANTENNA

<b>Class</b>	Medium profile dual Ku-/Ka-band airborne antenna
<b>Array Configuration</b>	Suitable for most medium and long-range commercial airframes
» <b>Ka-band</b>	Waveguide horn array; with electronically switched circular, RHCP/LHCP, cross or co-polarization
» <b>Ku-band</b>	Waveguide horn array; with linear, electronically switchable cross and co-polarization
<b>RF Electronics</b>	Integrated full ITU band Tx/Rx electronics on aperture
<b>Antenna Control</b>	Antenna Control Unit (ACU) on antenna positioner
<b>Swept Diameter</b>	39.25 in.; 99.70 cm
<b>Height</b>	11.30 in.; 28.70 cm
<b>Antenna Power Supply</b>	ARINC-791 "KANDU" form-factor
» <b>Input Power</b>	115 VAC, 360-800 Hz

### MODEM

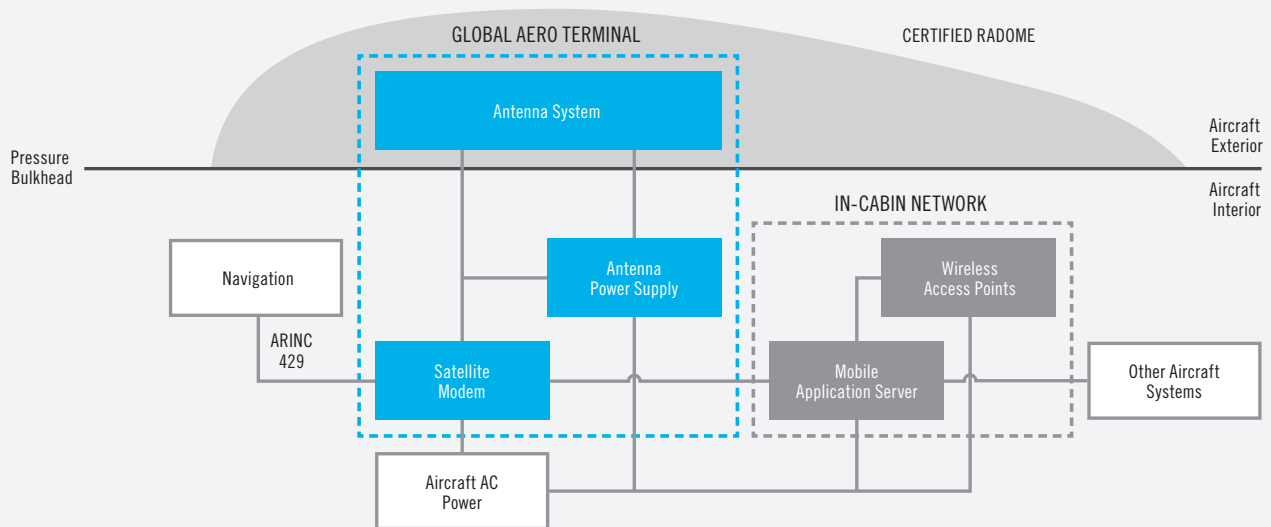
<b>Size</b>	4 MCU ARINC 600 compatible
<b>Power Source</b>	115 VAC, 360-800 Hz
<b>Baseband Interfaces</b>	
» <b>LAN Interface</b>	4 x Gigabit Ethernet
» <b>IRU Interface</b>	ARINC 429, RS-422 or Ethernet

### SUPPORTED AIRCRAFT

<b>Airbus</b>	A320, A330, A340, A350, A380 series aircraft
<b>Boeing</b>	737, 747, 757, 767, 777, 787 series aircraft



## SYSTEM DIAGRAM



## CONTACT

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