

Viasat Global Aero Terminal 5520



Ka-band Aviation Satcom Terminal

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 industry-leading data speeds to the aircraft, the fuselage-mounted antenna and onboard modem can be configured for a wide variety of in-flight applications. This terminal integrates easily into medium and long-range airframes, plus line-fit options offer procurement flexibility.

The Viasat Global Aero Terminal 5520 delivers award-winning in-flight connectivity and a path to an ultra-high capacity satellite network. We already operate one of the world's highest capacity Ka-band satellites over North America. 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 a truly global, truly broadband-level in-flight internet service. Choosing this terminal, you will connect to a network that will scale to your demand.

- › 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
- › Commercial Ka-band satellite connectivity

Primary applications

- › Airline passenger access to the full internet with freedom to stream any content, including live TV
- › Cabin and cockpit crew connectivity for insight into operations
- › Progression throughout execution
- › Private VVIP aviation internet and streaming media services for large number of users

Specifications

Global Aero Terminal 5520

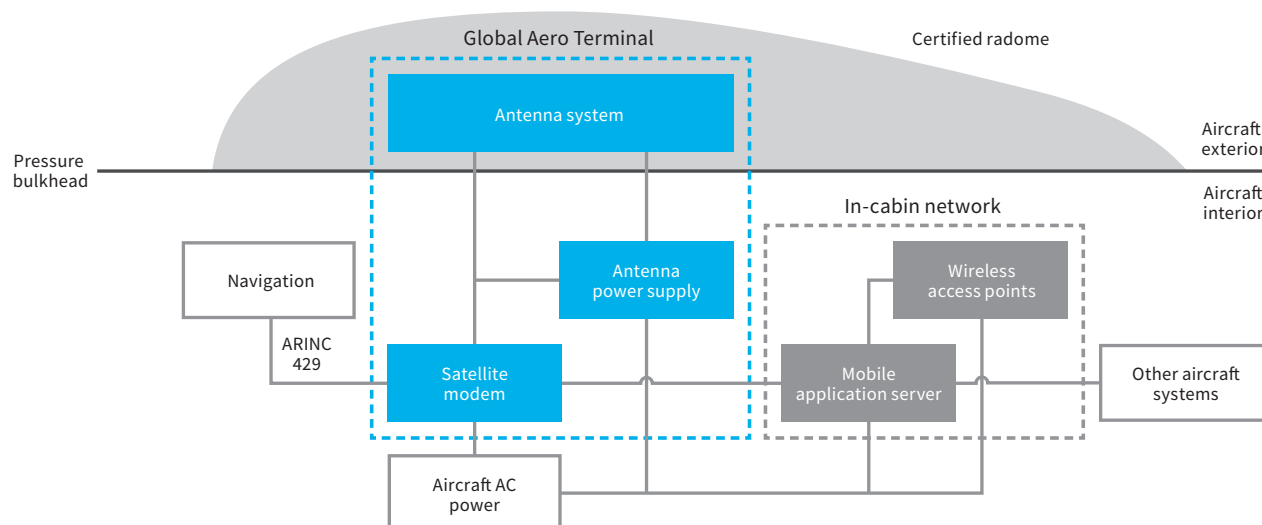
Antenna

Function	Medium profile full duplex Ka-band airborne antenna
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
Swept diameter	37.30 in. (94.74 cm)
Height	8.60 in. (21.84 cm)
Weight	75 lbs (34 kg)
Integrated antenna control	Antenna Control Unit (ACU) on antenna position
Antenna power supply › Input power	ARINC-791 “KANDU” form-factor 115 VAC, 360-800 Hz

Modem

Function	Latest generation modem which manages reception and transmission of satellite signals
Form factor	ARINC600 4MCU with Type II connector
Baseband Interfaces › LAN interface › Configuration	4 x Gigabit Ethernet Viasat Waveform forward compatible
Power source	115 VAC, 360-800 Hz
Weight	16 lbs. (7.3 kg)

System diagram



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