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
Global Aero Terminal 5520

SPECIFICATIONS

**ANTENNA**

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

**MODEM**

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

**SYSTEM DIAGRAM**

[Diagram showing the system diagram for the Global Aero Terminal 5520, including the Antenna System, Satellite Modem, Antenna Power Supply, Wireless Access Points, Mobile Application Server, and Other Aircraft Systems.]

**CONTACT**

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