



# In-flight connectivity for business aviation

Introducing a more powerful Ka-band solution — **now with no speed limits**



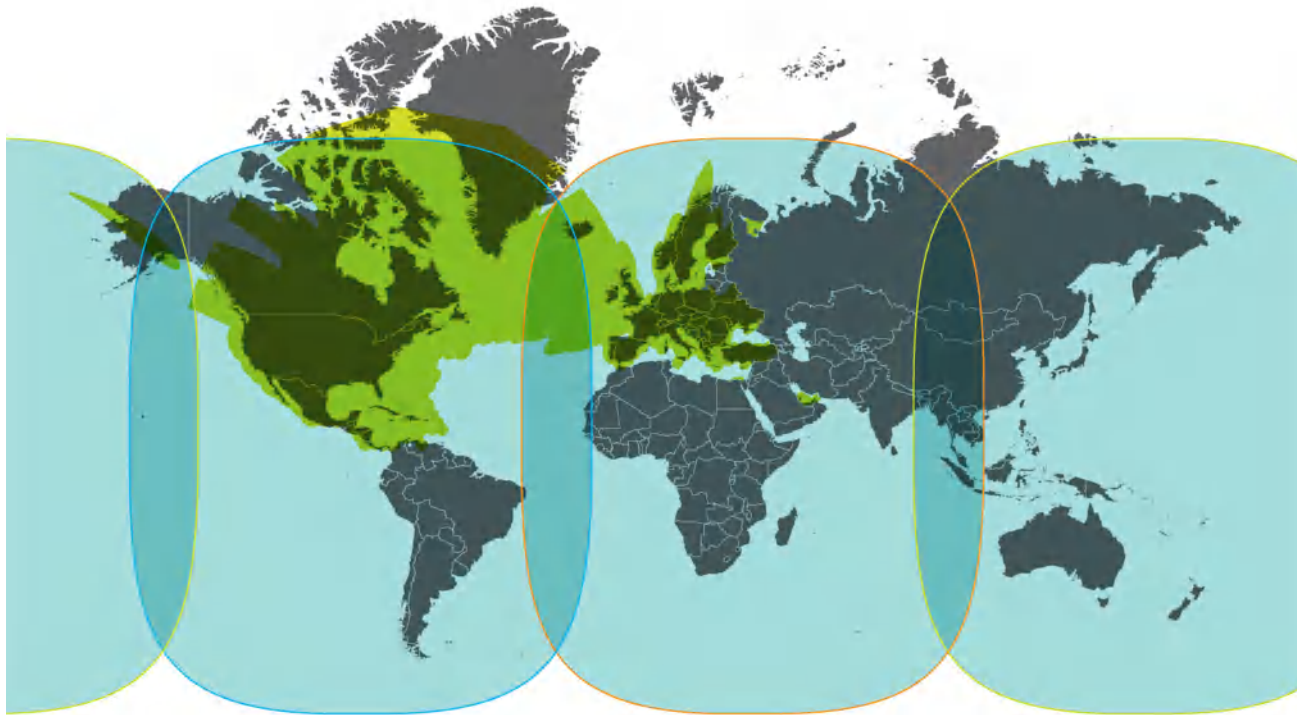
# Connect without compromise — and without speed limits.

Viasat Ka-band’s powerful satellite capacity is the engine behind unparalleled speeds and a premium in-flight experience.

With more Ka-band capacity than any other in-flight Wi-Fi provider, Viasat brings you powerful and high-performing internet service without speed limits for an unrivaled in-flight experience. Now you can stream, browse, video conference and more, from takeoff to touchdown. At Viasat, we know that business and life don’t stop in the air. Neither should your high-speed internet.

### An improved Ka-band experience.

Viasat is redefining in-flight internet for business jets with its “no speed limits” Ka-band solution<sup>1</sup>. We’ve removed the speed limits on our Ka-band service so you can get the same internet in flight as you do in the office. Enjoy high speeds typically greater than 20 Mbps<sup>2</sup> for unparalleled in-flight connectivity. In addition to everyday web browsing, email, and corporate VPN<sup>3</sup> access, passengers can conduct multi-



■ Current Ka coverage   ■ Ka coverage ViaSat-3A   ■ Ka coverage ViaSat-3B   ■ Ka coverage ViaSat-3C



Coverage is approximate and subject to change.

Future coverage is an expansion of current Ka coverage. Coverage is approximate and subject to change.

site video conferences plus stream music, video, and TV. The service is available during all phases of flight including taxi, takeoff, and landing.

### The Viasat difference

Viasat has the world's highest capacity satellite network and is the only in-flight entertainment and connectivity provider building an ultra-high capacity. Viasat Ka-band solution offers:

**Faster speeds:** Do more with no speed limits. Typical in-flight internet speeds reach greater than 20 Mbps<sup>2</sup>. Stream, conference, and browse better and faster during all phases of flight.

**Forward-compatible:** Protect your investment. Viasat's Ka-band equipment will work with our enhanced satellite technology of tomorrow<sup>3</sup> allowing you to accommodate the increased demand for speed, capacity and performance.

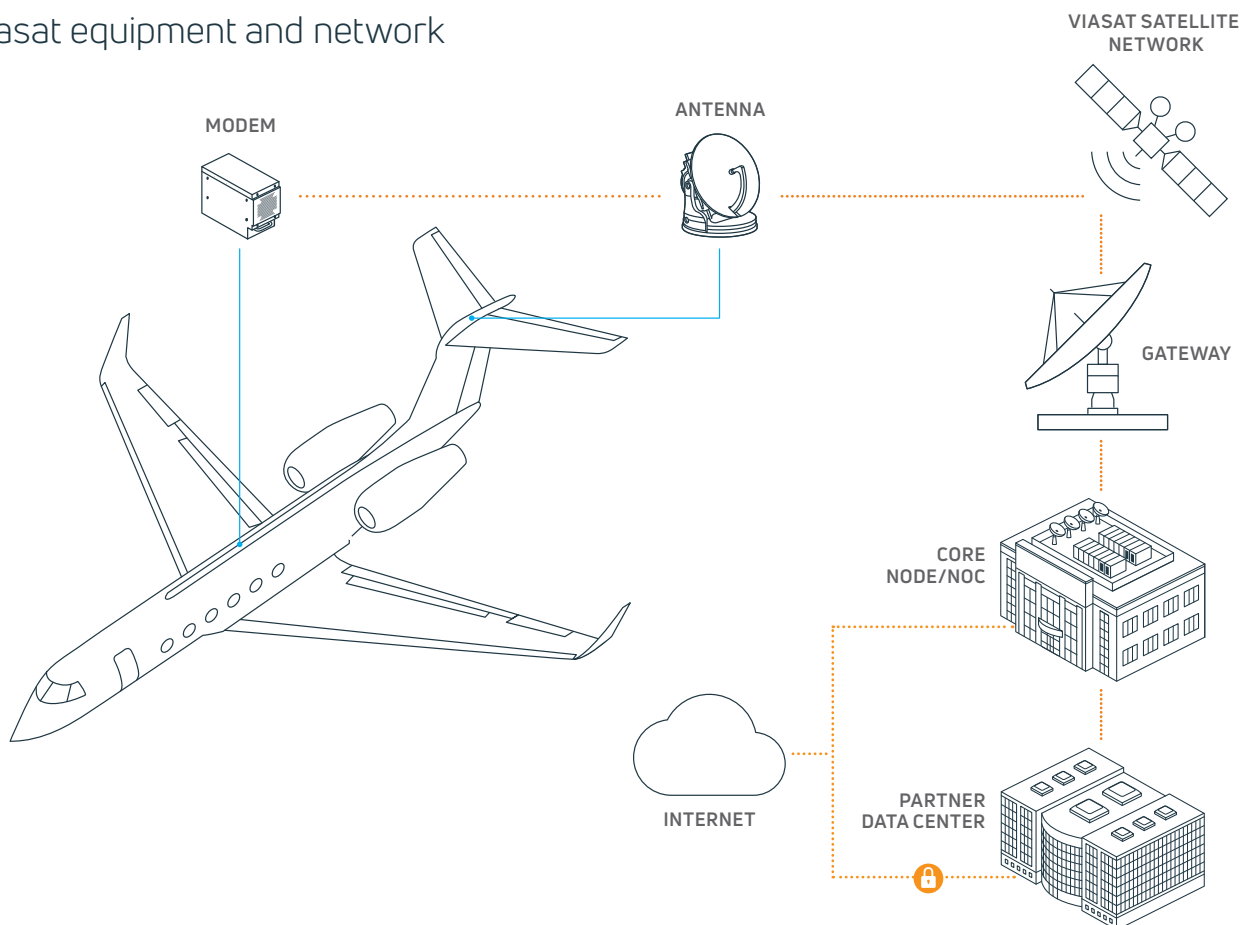
**Unrivaled capacity:** Take advantage of global bandwidth and speed powered by the world's highest capacity satellite network. Capacity is the engine behind high-speed internet.

**Viasat Unlimited Streaming:** Unlimited Streaming<sup>4</sup> allows you to watch TV, movies, sports and news channels, any time you're in your aircraft. By taking advantage of your current Viasat Ka-band in-flight connectivity equipment and service, the capability to stream media is at your fingertips. Viasat Unlimited Streaming is designed to make your in-flight entertainment system more flexible and cost effective.

### How it works

The service uses Viasat and partner high-capacity Ka-band satellites to transmit data to and from the aircraft. Passengers connect their devices to the aircraft network similar to Wi-Fi connections on the ground making it a simple and continuous experience. Data is transmitted between the plane and the ground station through the satellite. As the plane moves through the air, the system automatically performs hand overs between coverage areas.

## Viasat equipment and network



# Specifications

## Global aero terminal 5510

### Operating frequencies

**Transmit** 27.5 to 30.0 GHz

**Receive** 17.7 to 21.2 GHz

### Baseband Interfaces

**Navigation** ARINC™ 429 input

**Data** 10/100/1000BASE-T Ethernet

### Environmental & physical characteristics

**Operating temperature** -55° C to +70° C

**Total weight of shipset** 51.4 lb; 23.3 kg

**Power input  
(AC or DC options)** 115 VAC, 400 Hz or 28 VDC

### Supported and supportable aircraft

**Gulfstream** GIV, GV, G280, G450, G500, G550, G600, G650

**Boeing** BBJ

**Cessna** Citation X

**Bombardier** Challenger 350, Challenger 600 series, Global Express, Global XRS, Global 5000 – 8000

**Dassault** Falcon 900, Falcon 2000, Falcon 7X, Falcon 8X

**Embraer** Legacy 450, Legacy 500, Praetor 500, Praetor 600

## Ka-band service plans

Plan	Data (GB)	To aircraft			From aircraft	
		Maximum	Typical	CIR	Maximum	CIR
<b>Ultra15 Regional</b>	15	No Max	>20 Mbps	8 Mbps	2 Mbps	0.75 Mbps
<b>Ultra30</b>	30	No Max	>20 Mbps	8 Mbps	2 Mbps	0.75 Mbps
<b>Ultra40</b>	40	No Max	>20 Mbps	8 Mbps	2 Mbps	0.75 Mbps
<b>Ultra60</b>	60	No Max	>20 Mbps	8 Mbps	2 Mbps	0.75 Mbps
<b>Ultra100</b>	100	No Max	>20 Mbps	8 Mbps	2 Mbps	0.75 Mbps
<b>Ultra200</b>	200	No Max	>20 Mbps	8 Mbps	2 Mbps	0.75 Mbps

<sup>1</sup>“No speed limits” means that there is no cap set on the speed delivered to a terminal. Speeds may still be limited by terminal equipment capabilities, network and environmental conditions, and other factors. <sup>2</sup>“Typical” speeds are the speeds a terminal should usually experience under normal network and environmental conditions; speeds are not guaranteed and will vary. <sup>3</sup>Includes Ka-band satellites launched through 2023. <sup>4</sup>For “Unlimited Streaming,” monthly subscription fees apply. You are purchasing Unlimited Streaming data for one device, and you are only allowed one simultaneous streaming session. Additional streaming sessions count against your data allowance. You are required to subscribe separately to any streaming service provider you wish to utilize. Additional restrictions from your streaming service provider will apply. Service is not available with all streaming services. Service is currently offered only in Viasat’s CONUS (Continental United States) coverage region and requires a Ka-band or dual Ka/Ku-band data plan for data services. Additional restrictions and terms apply.

### Global headquarters

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