# Viasat in-flight connectivity solutions

## Our mission to connect the world is your solution.

**Viasat helps airlines deliver the best passenger experience with fast internet service to connect your fleet today and tomorrow.**

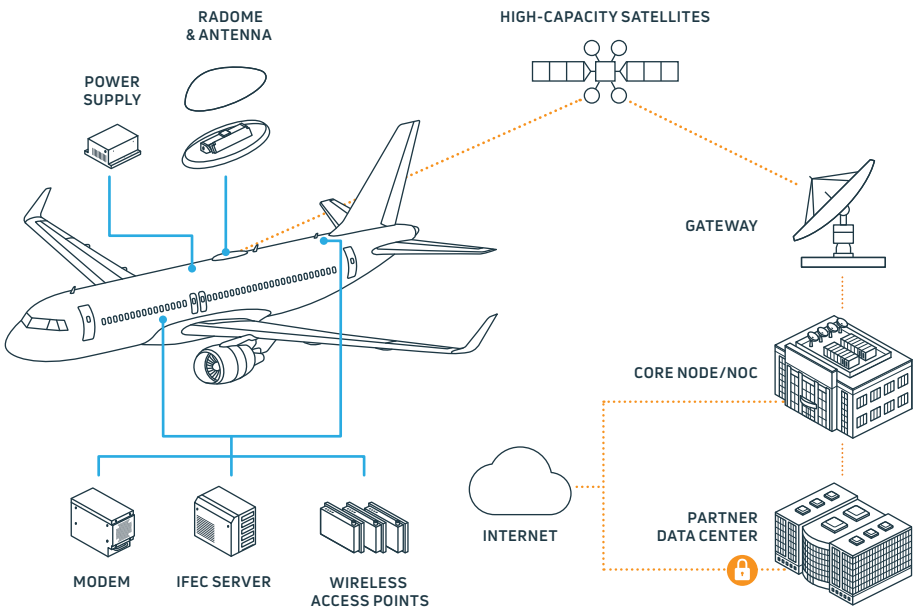
Give your passengers the flexibility and peace of mind to stay connected in the air, knowing they won't miss anything. They'll enjoy life, uninterrupted, and continue to catch the latest sports games, chat, email, and work just as they do on the ground. With a solution that can deliver broadband level speed, everyone stays connected, happy and engaged throughout their flight.

Our high-speed in-flight service also ensures your crew runs efficiently and on schedule with real-time updates that improve productivity and customer service.

Viasat's high-capacity satellite network provides the bandwidth that allows you to offer fast, content-rich broadband experiences for passengers. However many passengers connect, Viasat can deliver high-speed connection to each passenger and can provide a network that can scale to your demand. Today and tomorrow.

When you choose Viasat, you're using a network that can scale to your needs and end-user demands, now and for many years to come.

## How it works




## What can your passengers do?

### Stay connected in the air

- Stream their favorite music and videos
- Video chat
- Access email and VPN networks
- Post photos and videos to social media
- Communicate with cabin crew quickly and efficiently
- Message family
- Shop online

### Viasat IFC — the benefits:

- Forward-compatible solution scales to future technology upgrades
- Award-winning passenger experiences
- Every passenger on every plane can stay connected to the REAL internet
- Improved customer loyalty and net promoter scores (NPS)
- Reduced airline costs
- Streamlined crew activities

Viasat™

# IFC at-a-glance

## 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**<br>**› Input power** | ARINC-791 “KANDU” form-factor<br>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**<br>**› LAN interface**<br>**› Configuration** | <br>4 x Gigabit Ethernet<br>Viasat Waveform forward compatible |
| **Power source** | 115 VAC, 360-800 Hz |
| **Weight** | 16 lbs. (7.3 kg) |

## Wireless access points

| | |
|---|---|
| **Function** | Wireless Access Points which provide Wi-Fi signal to wireless devices in the cabin |
| **Wireless protocol** | Supports latest 802.11 standards |
| **Power** | 115VAC, 360-800Hz |
| **Mounting cooling** | ARINC 836, size A836-1-7 natural convection |
| **Dimension** | L x W x H: 7.85" x 9" x 2.5" |
| **Weight** | 3.6 lbs (1.64 Kg) |

## Server

| | |
|---|---|
| **Function** | High-end in-flight entertainment server with failure tolerant solid state storage |
| **Form factor** | ARINC600 4MCU with Type II connector |
| **Power management \| input** | ACPI 4.0 \| 115 VAC 360-800 Hz or 28VDC \| max 200 watts |
| **Weight** | 16 lbs. (7.3 kg) |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