

LINEFIT

# Gogo<sup>®</sup> 2Ku Access Technology

## Key components of the Gogo FLEX 2Ku Inflight System

The innovative Gogo 2Ku access technology (Gogo 2Ku) delivers significantly more bandwidth to the aircraft, minimizes service disruptions associated with beam switching, drives faster satellite handoffs, and has quadruple the surface area compared to traditional gimbaled antennas. The result is dramatically better performance in most operational scenarios.

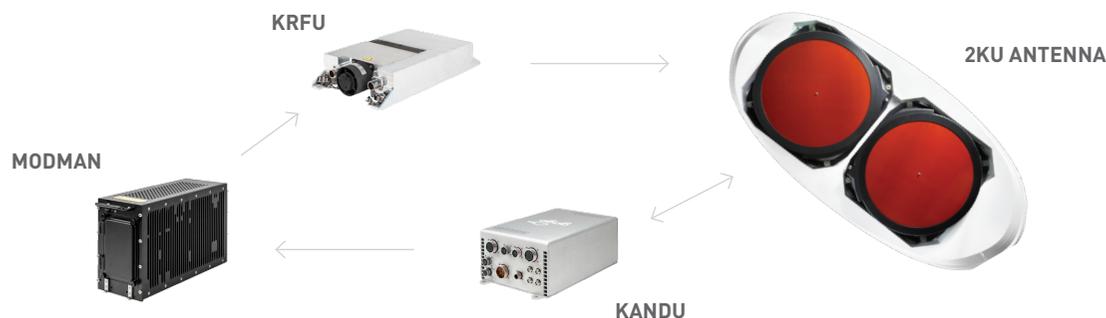
A dual demodulator within the modem simultaneously supports inflight internet and inflight TV. Designed with an open architecture, Gogo 2Ku is compatible

with HTS, LEO, and other next-generation Ku satellites to deliver greater capacity and superior service as new technologies come online.

Gogo 2Ku access technology consists of the MODMAN (Modem Manager), KRFU (Ku/Ka-band Radio Frequency Unit), and KANDU (Ku/Ka-band Aircraft Networking Data Unit). These three components work in tandem with the external Gogo 2Ku Antenna Subsystem to deliver inflight internet to enabled devices, anywhere you fly.

## PRODUCT HIGHLIGHTS

- › Peak speeds of 100+ Mbps to aircraft
- › Greater throughput with 4x more surface area
- › Superior performance in equatorial regions
- › Lower drag and reduced fuel burn
- › Less maintenance
- › The ARINC 600 MODMAN functions as a Ku-band transceiver with server capabilities for the Gogo 2Ku antenna, and comes equipped with a dual channel high-speed modem with capacity to deliver multiple IPTV channels
- › MODMAN's satellite modem is future-ready and supports wide beam and HTS satellites today and can support LEO satellites as they become available
- › MODMAN includes server interfaces (Processor, Memory, SSD, A429, Discretes, Ethernet, etc.) that allow it to operate without a headend server in certain scenarios
- › ARINC 791 KRFU is a rugged, solid-state unit that amplifies the RF signals for transmission to the satellite. It meets the form factor and power requirements of A791
- › ARINC 791 KANDU is designed specifically to control the Gogo 2Ku antenna



## Gogo 2Ku Access Technology specifications

	2Ku ANTENNA	MODMAN	KANDU	KRFU
<b>Dimensions</b>	35.7 in. x 35.7 in. x 4.2 in.	12.65 x 4.88 x 7.64in 4MCU Form Factor	18 in. x 9.06 in. x 5.51 in.	18 in. x 9.06 in. x 2.95 in.
<b>Weight</b>	82 lbs. (37.2 Kg)	14.6 lbs. (6.62 Kg)	15.7 lbs. (7.12 Kg)	21.8 lbs. (9.9 Kg)
<b>Power Consumption (Maximum)</b>	85W	95W	257W	500 W
<b>Active Cooling</b>	Passive	10 CFM	Passive	70 CFM
<b>Input Power</b>	Powered by KANDU	115VAC 360-800Hz	115VAC 360-800Hz	115VAC 360-800Hz
		<ul style="list-style-type: none"> <li>&gt; Conforms to A791 and A600 standards</li> <li>&gt; Supports existing and future Ku-band satellites with data rates of 100+ Mbps</li> <li>&gt; Dual Demodulator allows for high quality IFC and IFE experience</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Crown mounted</li> <li>&gt; Meets A791 requirements for factor</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Meets A791 requirements for form factor, power consumption and cooling</li> <li>&gt; Rugged, solid-state design optimized for operation with Gogo 2Ku</li> </ul>