

RETROFIT

Gogo[®] 2Ku Access Technology

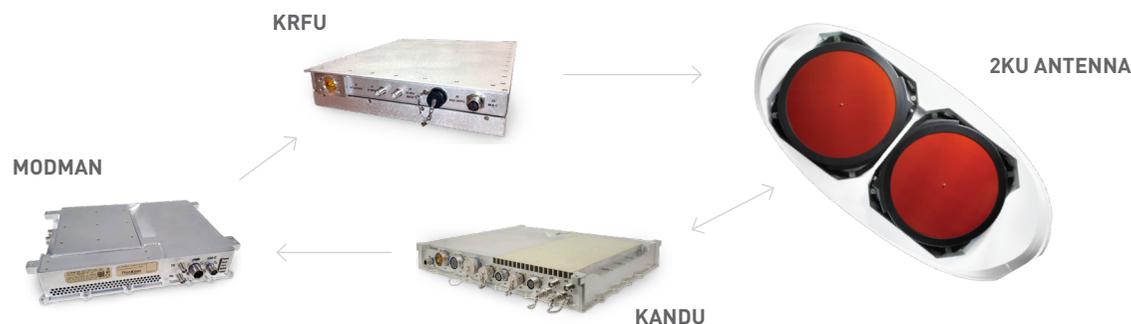
Key components of the Gogo FLEX 2Ku Inflight System

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 MODMAN functions as a Ku-band transceiver with server capabilities for Gogo 2Ku, and adds a second demodulator that could be used for IPTV
- ▶ MODMAN's satellite modem is future-ready and supports wide beam and HTS satellites today and will support LEO satellites as they become available
- ▶ KRFU is a rugged, solid-state unit that amplifies the RF signals for transmission to the satellite
- ▶ KANDU is designed specifically to control the Gogo 2Ku antenna

Gogo 2Ku Access Technology specifications

	2Ku ANTENNA	MODMAN	KANDU	KRFU
Dimensions	35.7 in. x 35.7 in. x 4.2 in.	15.37 in x 11.28 in x 2.5 in	18.36 in x 16.5 in x 2.5 in	17.68 in x 14.0 in x 2.93 in
Weight	80.0 lbs. (36.3 Kg)	8 lbs. (3.6 Kg)	17 lbs. (7.7 Kg)	23 lbs. (10.4 Kg)
Power Consumption (Maximum)	85W	38W	350W	700 W
Active Cooling	Passive	28 CFM	35 CFM	50 CFM
Input Power	Powered by KANDU	Powered by KANDU	115 VAC 360-800 Hz	115 VAC 360-800 Hz
	-	<ul style="list-style-type: none"> > Supports existing and future Ku-band satellites with data rates of 100+ Mbps > Dual Demodulator allows for high quality IFC and IFE experience 	<ul style="list-style-type: none"> > Crown mounted 	<ul style="list-style-type: none"> > Rugged, solid-state design optimized for operation with Gogo 2Ku