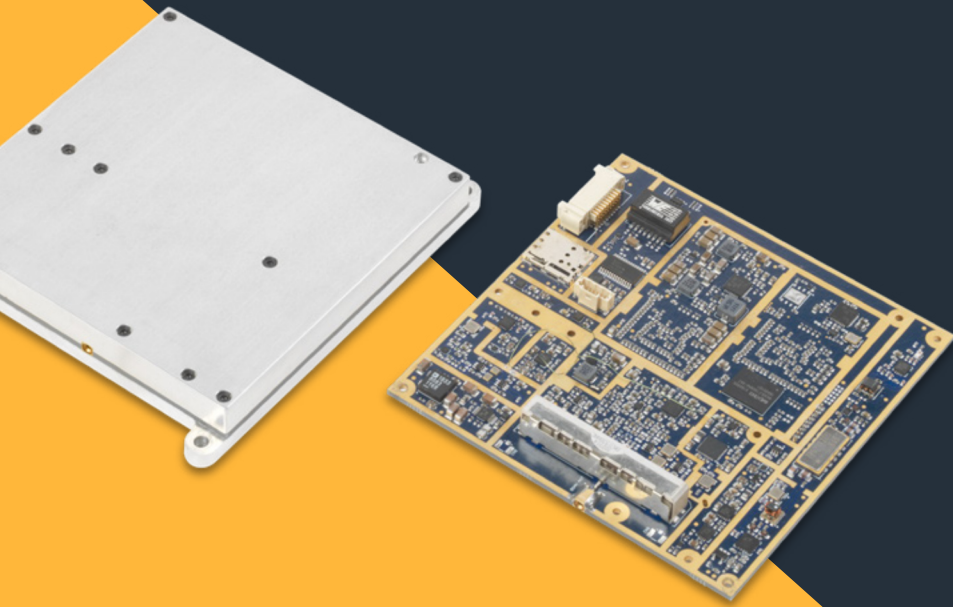# LIKEABIRD

beySAT-BGAN

Ultra-Compact 200 Kbps Video Capable SATCOM for UxV Operations
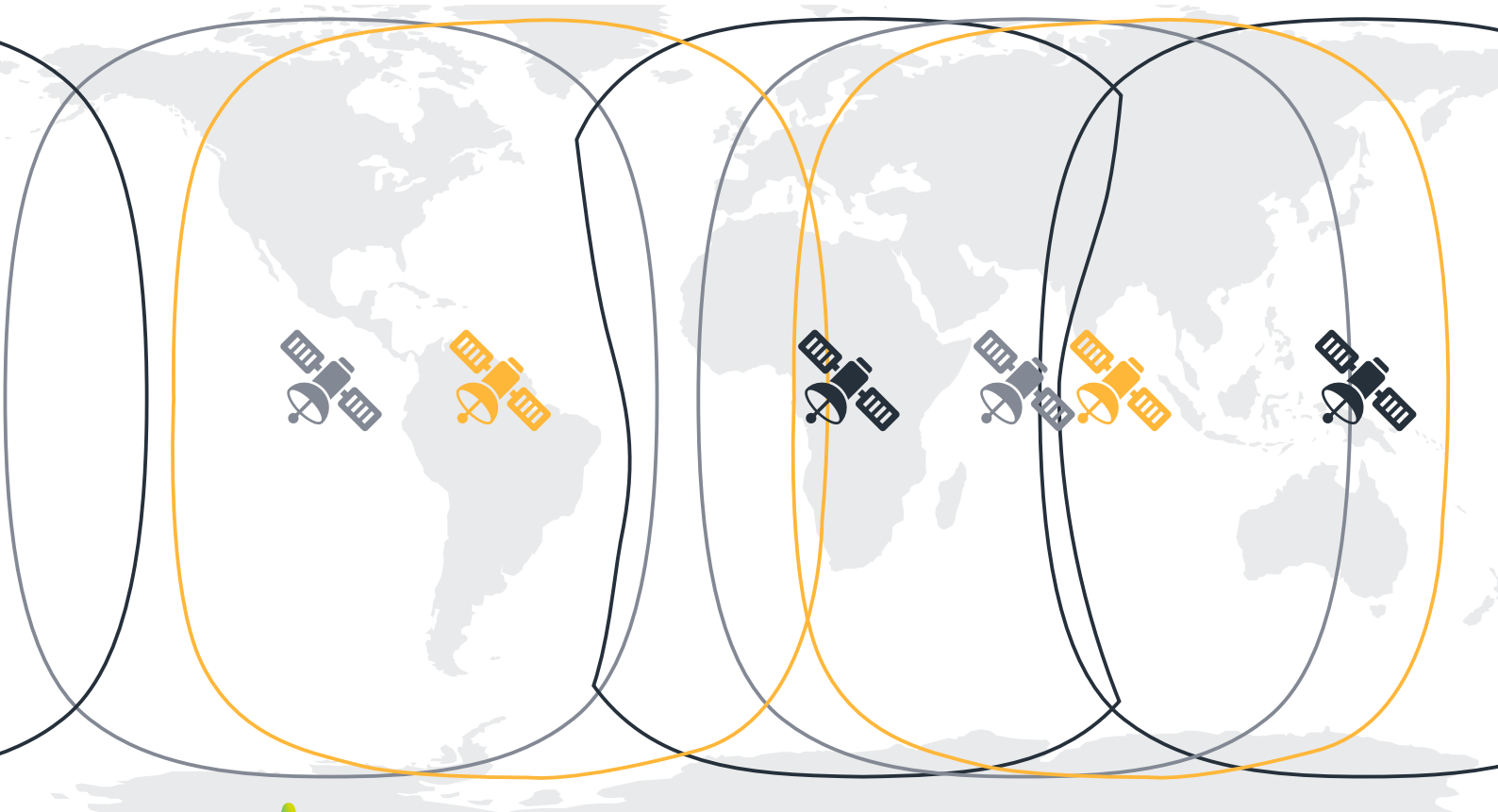
The Low-SWaP-C (Size, Weight, Power and Cost) beySAT-BGAN IP-based terminal has been designed specifically for UxV applications, in particular to delivery, cargo, urban transport and surveillance markets in remote and rural areas where LOS and cellular data links fails.

BGAN is available across the globe from latitudes of -82° to 82° with the exception of the extreme Polar Regions, providing connectivity wherever your business or operations take you.
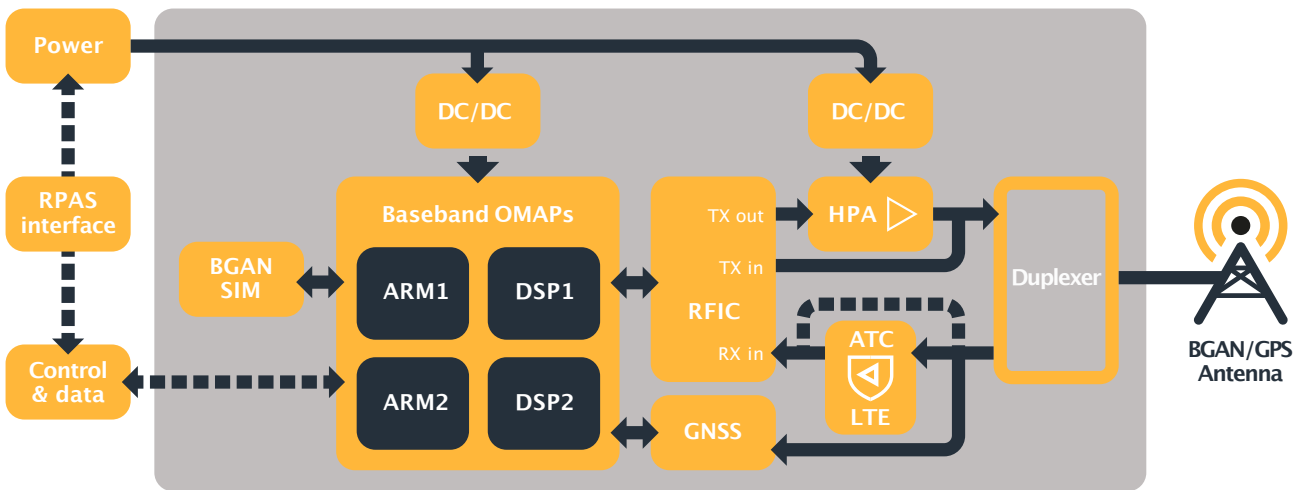
KEY FEATURES

- Low SWaP-C Design
- Pre-Type Approved
- Operational as a Class 4 Terminal
- Upgradable to Class 16
- Data Rates up to 200 kpbs with Velaris Services
- Natvie LAN Interface
- Integrated GPS and 1PPS Signal Output
- LTC & ATC Integrated Filter

Viasat +Inmarsat

This map is for general information purposes only and no guarantee is given of accuracy or fitness for a particular use.Coverage is subject to change at any time.

www.likeabird.eu

beySAT–BGAN Module	Specification	
Dimensions:	Height:	15mm
	Area:	95 x 95mm
	Weight:	165g
Power (typical):	Network idle:	0.65W
	Receive:	3.7W
	20kbps TX data rate:	5.7W
	100% data rate –Class 4:	27.5W
	100% data rate –Class 16:	17.8W
Temperature:	–40˚C to +55˚C (with baseplate maintained below 80°C)	
Vibration:	DO–160 section 8 standard vibration (category S)	
Antenna:	External Viasat approved class 4 or class 16 antenna	
BGAN Class:	Class 4 (to 200kbps) between 20° & 90° elevation	
	Class 16 (to 130kbps) between 5° & 90° elevation	
Power Supply	Input: 18–36V DC	
RPAS Interface	Ethernet and DC power: Samtec T1M–10–GF–DH connector	
	RF: SMPM female	
Application Processing:	ARM Core of OMAP SoC reserved for preloaded applications such as:	
	• Security software	
	• UTM software	

Block diagram

Compatible with