

# RELIABLE BEYOND LINE-OF-SIGHT UAS CONNECTIVITY IN L-AND KA-BAND

**GLOBAL COVERAGE WITH  
REGIONAL DEPTH**

**FLEXIBLE AND HIGHLY  
AVAILABLE NETWORK**

**SWAP-OPTIMIZED  
USER TERMINALS**

**RESPONSIVE SERVICE  
INTEGRATION**

**FLEXIBLE  
SERVICE PLANS**

Our L- and Ka-band services are delivered worldwide via subscription plans with committed information rates or steered capacity where needed, including the Arctic region (from 2023 in Ka-band).

**CONSISTENT COVERAGE, HIGH PERFORMANCE, QUICK-SURGE CAPABILITY**

We provide secure and resilient backhaul options. Our military Ka-band steerable beams are open-system architecture, supporting any user's waveform.

**99.9% SATELLITE NETWORK AVAILABILITY**

We offer a wide range of user terminals starting at 3 lbs.

**SIZE AND WEIGHT OPTIMIZED FOR UAS PLATFORMS**

Our ecosystem of in-house and partner teams of experienced UAS SATCOM engineers respond rapidly to a wide range of mission and budget requirements.

**FIT FOR YOUR NEED**

3 Mbps+ from the UAS in L-band.

8 Mbps+ from the UAS in commercial Ka-band.

40 Mbps+ from the UAS in military Ka-band.

**GLOBAL AND REGIONAL APPLICATIONS, SERVICE PER TAIL OR PER FLEET**



Users in the  
air, at sea and  
on land



Resilient  
communications  
satellites in orbit



Redundant  
satellite access  
stations



Reliable  
networks  
always on 24/7



**THE INMARSAT NETWORK: GLOBAL. MOBILE. TRUSTED.**

# KA-BAND TERMINAL OVERVIEW



Terminal	Get SAT MillisAT H LW	Get SAT MillisAT W LW	Get SAT MillisAT EX	Orbit GX30	Orbit GX46	Orbit GX76	Ball Ka 1204A
<b>Terminal Size Type</b>	10.6" x 9.8" Flat Antenna	5.3" x 19.7" Flat Antenna	7.9" x 18.8" Flat Antenna	12" Parabolic	18" Parabolic	30" Parabolic	20.9" x 56.0" x 2.8" ESA
<b>Total System Weight (Terminal)*</b>	39.2 lbs.	41.0 lbs.	45.7 lbs.	44.0 lbs.	476 lbs.	TBD	112.8 lbs.
<b>Commercial Data Rate Mil Ka Data Rate</b>	6x2 Mbps 50x15 Mbps	6x2 Mbps 50x15 Mbps	6x2 Mbps 55x13 Mbps	6x2 Mbps 50x13 Mbps	10x6 Mbps 65x18 Mbps	12x8 Mbps 80x40 Mbps	8x4 Mbps 80x20 Mbps
<b>Power</b>	28 VDC, 265 W	28 VDC, 265 W	28 VDC, 215 W	28 VDC, 395 W	28 VDC, 395 W	TBD	28 VDC, 3100 W
<b>Ka-band</b>	Commercial / Military	Commercial / Military	Commercial / Military	Commercial / Military	Commercial / Military	Commercial / Military	Commercial / Military
<b>UAS Group</b>	3+	3+	3+	3+	3/4+	4+	4+

# L-BAND TERMINAL OVERVIEW



Terminal	Cobham Aviator UAV 200**	Cobham Aviator HGA-6000 Single Channel	Honeywell Aspire 200 AMT-1800	LAISR-ULW SE**	LAISR-LW 3010	LAISR-LW 3035	LAISR-LW 3040	LAISR-LW 3050
<b>Dimensions (Antenna)</b>	9.5" x 6.3" x 2.4"	10.0" x 10.0" x 9.7"	18.3" x 7.6" x 2.0"	11.7" x 8.1" x 2.0"	5.0" x 5.0" x 1.0"	10.0" x 12.0" x 2.0"	10.0" x 10.0" x 9.7"	18.3" x 7.6" x 2.0"
<b>Total System Weight (Terminal)</b>	3.2 lbs.	15.9 lbs.*	21.0 lbs.*	3.0 lbs.	8.6 lbs.	9.4 lbs.	12.2 lbs.	12.9 lbs.
<b>Data Rate Streaming Rate</b>	Up to 200 kbps Up to 32 kbps	Up to 432 kbps Up to 256 kbps	Up to 332 kbps Up to 128 kbps	~2 Mbps***	~2 Mbps***	~2.5 Mbps***	~3 Mbps***	~3 Mbps***
<b>Power</b>	28 VDC, 28 W	28 VDC, 120 W	28 VDC, 100 W	13 VDC, 60 W	28 VDC, 115 W	28 VDC, 125 W	28 VDC, 140 W	28 VDC, 140 W
<b>UAS Group</b>	2+	3+	3+	2+	3+	3+	3+	3+

\* Weight doesn't include required cabling.

\*\* Terminal is a single LRU consisting of the antenna and integrated core module.

\*\*\* Data rates may vary and depend upon terminal type, bandwidth leased, operating location, etc.

Contact us for more information: [inmarsatgov.com/contact/](https://inmarsatgov.com/contact/)