Viasat
+Inmarsat

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

GLOBAL COVERAGE WITH REGIONAL DEPTH

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 (Ka-band in 2024).
CONSISTENT COVERAGE, HIGH PERFORMANCE, QUICK-SURGE CAPABILITY

FLEXIBLE AND HIGHLY AVAILABLE NETWORK

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

SWAP-OPTIMIZED USER TERMINALS

We offer a wide range of user terminals starting at 3 lbs.
SIZE AND WEIGHT OPTIMIZED FOR UAS PLATFORMS

RESPONSIVE SERVICE INTEGRATION

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

FLEXIBLE SERVICE PLANS

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 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
Antenna Size Antenna Type	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
Terminal Weight*	39.2 lbs.	41.0 lbs.	45.7 lbs.	44.0 lbs.	47.6 lbs.	TBD	112.8 lbs.
Commercial Data Rate Mil Ka Data Rate	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
Power	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
Ka-band	Commercial / Military	Commercial / Military	Commercial / Military	Commercial / Military	Commercial / Military	Commercial / Military	Commercial / Military
UAS Group	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-LW 3010	LAISR-LW 3035	LAISR-LW 3040	LAISR-LW 3050
Antenna Size	9.5" x 6.3" x 2.4"	10.0" x 10.0" x 9.7"	18.3" x 7.6" x 2.0"	5.3" x 5.3" x 1.3"	12.9" x 9.3" x 1.9"	10.1" x 10.1" x 9.7"	18.3" x 7.6" x 2.0"
Terminal Weight	3.2 lbs.	15.9 lbs.*	21.0 lbs.*	8.6 lbs.	9.8 lbs.	12.3 lbs.	12.9 lbs.
Data Rate Streaming Rate	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**	2.5 Mbps**	3 Mbps**	3 Mbps**
Power	28 VDC, 28 W	28 VDC, 120 W	28 VDC, 100 W	28 VDC, 115 W	28 VDC, 122 W	28 VDC, 139.4 W	28 VDC, 138 W
UAS Group	2+	3+	3+	2+	3+	3+	3+

Terminal	LAISR-ULW 4010	LAISR-ULW 4035	LAISR-ULW 4040	LAISR-ULW 4050
Antenna Size	5.0" x 5.0" x 1.0"	12.3" x 9.4" x 1.9"	10.0" x 10.0" x 9.7"	18.3" x 7.6" x 2.0"
Terminal Weight	4.7 lbs.	5.4 lbs.	7.9 lbs.	8.5 lbs.
Data Rate Streaming Rate	2 Mbps**	3 Mbps**	3 Mbps**	3 Mbps**
Power	28 VDC, 140 W	28 VDC, 145 W	28 VDC, 162.4 W	28 VDC, 161 W
UAS Group	2+	3+	3+	3+

Weight doesn't include required cabling.
*** Data rates may vary and depend upon terminal type, bandwidth leased, operating location, etc.*

Contact us for more information: inmarsatgov.com/contact/