

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 (Ka-band in 2024).
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 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 | 10.6" x 9.8" | 5.3" x 19.7" | 7.9" x 18.8" | 12" | 18" | 30" | 20.9" x 56.0" x 2.8" |
| Antenna Type | Flat Antenna | Flat Antenna | Flat Antenna | Parabolic | Parabolic | Parabolic | 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 | 6x2 Mbps | 6x2 Mbps | 6x2 Mbps | 6x2 Mbps | 10x6 Mbps | 12x8 Mbps | 8x4 Mbps |
| Mil Ka Data Rate | 50x15 Mbps | 50x15 Mbps | 55x13 Mbps | 50x13 Mbps | 65x18 Mbps | 80x40 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 | Up to 200 kbps | Up to 432 kbps | Up to 332 kbps | 2 Mbps** | 2.5 Mbps** | 3 Mbps** | 3 Mbps** |
| Streaming Rate | Up to 32 kbps | Up to 256 kbps | Up to 128 kbps | | | | |
| 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 | 2 Mbps** | 3 Mbps** | 3 Mbps** | 3 Mbps** |
| Streaming Rate | | | | |
| 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/

While the information in this document has been prepared in good faith, no representation, warranty, assurance or undertaking (express or implied) is or will be made, nor will responsibility or liability (howsoever arising) be accepted by the Inmarsat group or any of its officers, employees or agents in relation to the adequacy, accuracy, completeness, reasonableness or fitness for purpose of the information in this document. All and any such responsibility and liability is expressly disclaimed and excluded to the maximum extent permitted by applicable law. INMARSAT is a trademark owned by the International Mobile Satellite Organization licensed to Inmarsat Global Limited. All other Inmarsat trademarks in this document, including the Inmarsat LOGO, are owned by Inmarsat Global Limited. © Inmarsat Government Inc. All rights reserved. July 2023.