



FlexExec Multi-orbit Solution

Multiple Networks. One Antenna.
Unmatched Connectivity.
Already Flying.



FlexExec Multi-orbit delivers seamless, high-performance connectivity for VVIP and government aviation. It dynamically switches between IntelSat's GEO and OneWeb's LEO networks, ensuring redundant, low-latency global coverage at speeds up to 190/32 Mbps—all in one subscription.

For VVIP aircraft—serving heads of state, executives, and high-profile travelers—FlexExec Multi-orbit provides fast, secure connectivity for uninterrupted productivity, privacy, and entertainment. Whether on a customized jet or government aircraft, it enables efficient operations and global access.

Government aviation relies on resilient connectivity for critical missions across tanker, transport, VVIP, and ISR aircraft. From real-time ISR data and aerial refueling to secure communications and airlift operations, FlexExec Multi-orbit ensures connectivity is never a limitation.



IntelSat FlexExec Multi-orbit Electronically Steered Array (ESA) Antenna

Our compact, low-profile, fuselage-mounted ESA integrates effortlessly with diverse aircraft platforms. This future-ready, modular technology is already deployed on over 1,000 commercial aircraft worldwide, delivering proven high-performance connectivity. Now, it extends its unmatched reliability to VVIP and government aviation, ensuring secure, high-speed connectivity for both high-profile and mission-critical operations.



Ultra-high Speed

Up to 190 Mbps download
and 32 Mbps upload



Ultra-low Latency

Latency ~70 milliseconds for faster
response times of applications



Ultra Reliability

LEO and GEO coverage layers for
redundant, resilient connectivity



Advanced Cybersecurity

Comprehensive, end-to-end security
backed by GEO SOC 3 accreditation



Robust LEO / GEO Coverage

Global connectivity including
the poles



Modular Design

Expand Ku-band network access
for tailored solution or
enhanced redundancy

Intelsat FlexExec Multi-orbit LEO and GEO Global Coverage

Maximize global connectivity with seamless, intelligent switching between two redundant networks, ensuring uninterrupted, high-performance coverage anywhere in the world. Experience enhanced reliability, optimized bandwidth, and resilient communications for mission-critical operations.

Engineered for Quick Deployment & Maximum Uptime

Designed for seamless integration, this antenna minimizes downtime and optimizes SWaP (Size, Weight, and Power) for Maintenance, Repair, and Overhaul (MRO), completion centers, and aircraft integrators. It ensures rapid installation, interoperability with legacy systems, and compliance with industry standards. Scalable for fleet-wide adoption, it simplifies deployment while offering comprehensive training support, making aircraft upgrades efficient and future-ready.



Antenna Technical Specifications

Dimensions	74 x 34 x 2.7 in or 188 x 86 x 6.9 cm
Weight	OAE / Total System Weight 144 lb. or 65.3 kg / 291 lb. or 132 kg (or less depending on adaptor plate configuration)
Form Factor	No radome required with a low-profile cross-section, reducing cost, drag and weight; Compatible with ARINC 790 and 791 adaptor plates.
Modular Design	Additional Ku-band AMUs (Auxiliary Modem Units) can be integrated to provide redundant and/or customized LEO/MEO/GEO connectivity
Fuel Efficiency	60% less fuel burned than gimballed antennae
Aircraft Platforms	<ul style="list-style-type: none"> • VVIP, transport, tanker, tactical and ISR • CRJ • Embraer • ACJ • BBJ
Standards	DO-160, ARINC, FAA and EASA compliant
Manufacturing	Made in the USA

Powered by Enterprise-grade Satellite Network Service

As the foundational architects of satellite technology, designing global network solutions for commercial, VVIP, business, and government aviation user needs is in our DNA.

About Intelsat

Intelsat's global team of professionals is focused on providing seamless and secure, satellite-based communications to government, NGO and commercial customers through the company's next-generation global network and managed services. Bridging the digital divide by operating one of the world's largest and most advanced satellite fleet and connectivity infrastructures, Intelsat enables people and their tools to speak over oceans, see across continents and listen through the skies to communicate, cooperate and coexist. Since its founding six decades ago, the company has been synonymous with satellite-industry "firsts" in service to its customers and the planet. Leaning on a legacy of innovation and focusing on addressing a new generation of challenges, Intelsat team members now have our sights on the "next firsts" in space as we disrupt the field and lead in the digital transformation of the industry.

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