



Viasat
+Inmarsat

7, 8 & 9

GLOBALXPRESS

TRANSFORMING NETWORK CAPACITY CAPABILITIES AND
OPERATIONAL AGILITY TO MEET BURGEONING DEMAND

GX7, 8 & 9: THE WORLD'S FIRST SOFTWARE DEFINED GEOSTATIONARY SATELLITES

GX7, 8 & 9 are the next chapter of highly agile, flexible, lower cost satellite and ground infrastructure optimized for global mobility. GX7, 8 & 9 are scheduled to start launch before the end of 2025. These programmable Ka-band satellites will enable more responsive and cost-effective capacity scaling and seamless integration into the existing and planned Global Xpress (GX) network.

DYNAMIC COVERAGE WITH FLEXIBLE COMMERCIAL KA-BAND SERVICE

- Dynamic beamforming allows simultaneous creation of thousands of independent beams of different sizes, bandwidths and powers. These beams can be reconfigured and repositioned across the globe in real time.
- Extended commercial Ka-band access with 2.5 Ghz dual polarization Forward and Return.

- Focused coverage via individual beams through precise beamforming and bandwidth assignment delivers tailored bandwidth to specific ultra-high demand locations as well as individual remote assets.
- Each new satellite delivers approximately twice the total capacity of the entire current GX network. This additional capability can be shaped and stacked to overlap other GX satellite beams, providing added coverage in high demand hot spots without interface. As demand changes, the capacity can be repositioned.
- Fully integrated into the GX global network.

STEERABLE BEAMS

- Hundreds of individually steerable/programmable Military-Ka (Mil-Ka) beams in different sizes across each satellite field of view enable bandwidth concentration in key geographies.

- The service supports various mesh, hub/spoke and point-to-point architectures and is modem agnostic.

SATELLITE GROUND STATIONS

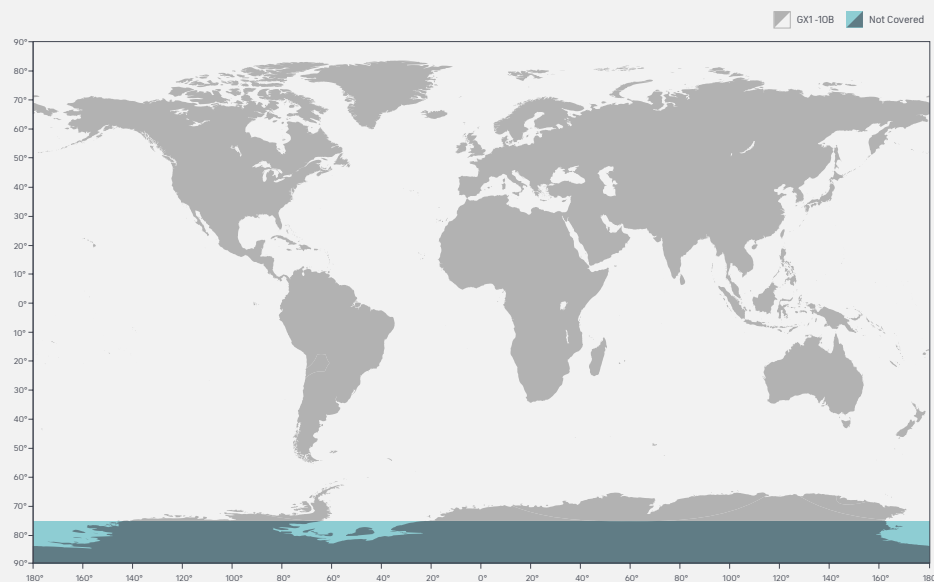
- Allow for repositioning of capacity with unprecedented agility, where and when it is required, by connecting to any satellite ground station worldwide.

ABOUT GLOBAL XPRESS

GX is the world's first and only, globally available seamless wideband service. In U.S. government use since 2014, GX has established itself as the gold standard for reliable communications across land, air and sea for assured mobile connectivity and interoperability with government satellite systems.

GX1-10 KA-BAND COVERAGE AND SERVICES (2025+)

Subscription service, steerable beams, formed beams – commercial and Mil-ka



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