



I-6 F1 FACTSHEET

- The Inmarsat-6 (I-6) satellites are the largest and most sophisticated commercial communications satellites ever launched.
- Inmarsat's first dual payload satellites, the I-6s feature both L-band (ELERA) and Ka-band (Global Xpress) payloads.
- I-6 F1 is the first of two I-6 satellites that form part of our visionary and fully funded technology roadmap, which includes seven new satellite launches and a major ground network expansion by 2024.
- The I-6s demonstrate our continued momentum in technology innovation to meet the unique requirements of our global mobility, government and IoT customers.
- The I-6s are backwards-compatible with existing ELERA and Global Xpress (GX) terminals enabling current and future customers to benefit from new and enhanced service capabilities.
- The I-6s play a key role in the geostationary earth orbit (GEO) infrastructure of Inmarsat ORCHESTRA - the world's first network to combine GEO, low earth orbit (LEO) and terrestrial 5G into one harmonious solution.
- The I-6s reconfirm our commitment to our global leadership in L-band satellite services and underpin the future of existing ELERA services as well as paving the way for exciting new innovations into the 2040s and beyond.
- I-6 dynamic beam forming capabilities enable the satellites to match customer demand on a second-by-second basis.

LAUNCH PROVIDER: MITSUBISHI HEAVY INDUSTRIES
LAUNCH SITE: JAXA TANEGASHIMA SPACE CENTER, JAPAN

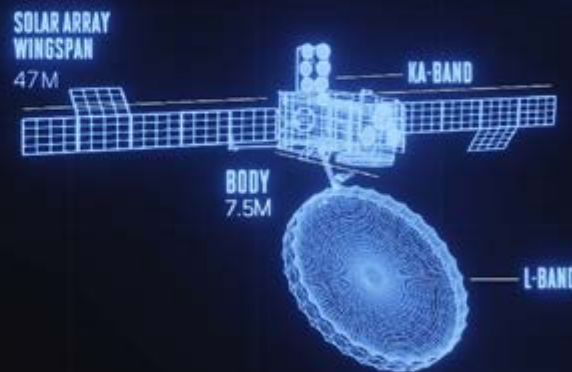
The largest and most advanced commercial communications satellite ever launched

Launch mass - 5,470kg fuelled

Dual ELERA (L-band) and Global Xpress (Ka-band) payloads

Double the beams and power of the I-4 satellites

Unlimited beam routing to match demand second-by-second



I-6 F1
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MANUFACTURER AIRBUS
DEFENCE & SPACE

- New and enhanced ELERA services will support a more connected and sustainable world – from UAVs and autonomous transport to Industrial Internet of Things (IIoT); monitoring our oceans to supporting greener energy solutions; and Intelligence, Surveillance and Reconnaissance (ISR).
- I-6 F1 will ensure the continuation of our critical maritime and aviation safety services, providing 99.9% reliability to protect millions of seafarers and airline passengers flying across the world's skies every day.
- I-6 F1 will provide 50% more capacity than the entire I-4 generation of ELERA satellites.
- The GX payload on I-6 F1, also referred to as GX6A, marks the start of the largest technology investment in Inmarsat's history to deliver a step change in the capabilities and capacity of the world's leading high speed broadband global network.
- GX6A will enable a host of new applications and services to enhance the efficiency and effectiveness of our commercial and government customers' vital operations and ensure continued capacity in even the most congested regions.
- GX6A features 20 Ka-band spot beams that can be directed to deliver additional capacity in key demand and growth areas.
- Subject to confirmation, I-6 F1 will provide coverage over the Indian Ocean and will be supported by two ground network stations in Western Australia.

[INMARSAT.COM/I6F1](https://www.inmarsat.com/i6f1)

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