



# Intelsat Epic

A next-generation, high-performance platform providing any-beam-to-any-beam connectivity



# A History of Innovation that Continues to Shape the Future

For decades we've kept our eyes on the future. And just as our continued innovation has woven Intelsat into the fabric of history, our satellite fleet is enabling organizations to reach further through truly seamless connectivity, even in the most remote corners of the world.

Our satellite fleet serves as one vital part of our global network. Working in concert with terrestrial networking infrastructure and robust managed services, it enables resilient, cost-effective connectivity when and where it's needed most.

## Unrivalled Power and Flexibility

Intelsat Epic utilizes C-, Ku- and Ka-bands, wide beams, spot beams and frequency reuse technology to deliver global, resilient, high-throughput connectivity. This open network also allows us to bring on additional assets quickly, while still giving users the ease-of-use and control of service elements and hardware required for mission success.

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## Evolving our fleet with Epic benefits

**Intelsat Epic wraps a multitude of benefits into a single, powerful platform:**

- Higher performance and lower cost per bit
- Wide beams and spot beams in the same band
- Multi-band frequencies aligned to region- and application-specific requirements
- Open architecture:
  - Backwards compatibility in most cases; customer-defined network topology and use of existing network infrastructure
  - Forward compatible as ground technology advances
- High throughput, high efficiency and high availability enables smaller terminals, supporting mobility and aviation applications, and benefitting data-centric services like cellular backhaul





## Broadband

For ISPs, telcos, and MNOs, Intelsat Epic enables higher data rate applications and smaller terminals, providing expanded market opportunities. ISP and telco customers have the flexibility to utilize a combination of C- and Ku-band capacity to support higher throughputs and enterprise-grade applications. For cellular backhaul, Intelsat Epic provides the high throughput required to support 3G/4G backhaul, dynamic bandwidth allocation for asymmetric multimedia requirements, and load sharing of links during network congestion. The efficiency of the Epic platform helps overcome lower-revenue-per-site barriers in remote areas and enables satellite as a primary or backup solution in populated areas.



## Media

With the Intelsat Epic platform, channels can be customized for a specific region and beam. Spot beams and frequency reuse provide greater throughput and drive lower cost per Mbps, changing the economic model for delivering localized content by country, region, language and even culture – and increasing ARPU. Intelsat Epic provides economic transmission to cable head ends, as well as point-to-point routes with scalability and cost-effective contribution links for Occasional Use video applications.



## Mobility

Through the use of focused spot beams in key mobility areas, the Intelsat Epic platform was intentionally designed to meet the throughput and performance needs of land, maritime and aviation applications. Users will benefit from reliable global, wide-beam coverage, complemented by Intelsat Epic high-throughput beams over high-traffic routes and remote locations without investment in new platform or network infrastructure.



## Government

The Intelsat Epic high-throughput platform provides government and military users with global, high-powered Ku-band spot beams enabling bandwidth applications such as high-definition full-motion video using compact antennas as small as 18" for ground, land and maritime users. The Intelsat Epic platform also provides enhanced anti-jam and interference mitigation through its multi spot-beam technology and digital payload, keeping your communications secure and resilient.





## Intelsat Epic Coverage

Our Epic fleet serves as one vital part of our global network. Working in concert with terrestrial networking infrastructure and robust managed services, it enables resilient, cost-effective connectivity when and where it's needed most.

Thousands of organizations serving billions of people worldwide rely on Intelsat to provide ubiquitous broadband connectivity, multi-format video broadcasting, secure satellite communications and seamless mobility services. The end result is an entirely new world, one that allows us to envision the impossible, connect without boundaries and transform the ways in which we live.

## About Intelsat

As the foundational architects of satellite technology, Intelsat operates the largest, most advanced satellite fleet and connectivity infrastructure in the world. We apply our unparalleled expertise and global scale to reliably and seamlessly connect people, devices and networks in even the most challenging and remote locations. Transformation happens when businesses, governments and communities build a ubiquitous connected future through Intelsat's next-generation global network and simplified managed services.

At Intelsat, we turn possibilities into reality. Imagine Here, with us, at [Intelsat.com](http://Intelsat.com).

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