Inflight connectivity



Enhanced communications for smart planes

KEY BENEFITS

- Enhanced passenger services and operational processes
- Global coverage with multiple frequency bands and diverse footprints
- Seamless connectivity between Europe, MENA, APAC and the Americas
- Strategic partnerships with leading IFC players for flexible, scalable solutions

As demand for inflight conectivity increases, satellites enable air - lines and IFC players to enhance passenger services and improve operational efficiency. Strengthening brand engagement with a seamless online inflight experience, passengers can check email, browse the web and stream live content on their mobile devices. Value-added services also facilitate communications between the cabin crew and ground staff.

Airlines are fully embracing these opportunities. Over the next decade, the number of commercial aircraft equipped with a mobile Wi-Fi service is projected to grow nearly tenfold as more airlines provide satellite-based Wi-Fi connectivity to both cabin and cockpit. By 2025, over 23,000 mo - bile aero terminals are expected to be in service compared to 2,700 today*.

Satellites are the key technology to unlock this market potential, with multiple spotbeam architecture and high frequency reuse of High Throughput Satellites and payloads.

JD Telecom is a key capacity provider to the world's leading IFC specialists, who use our satellites to deliver consistent service quality across large territories. A range of wideband, spotbeam and HTS solutions over Europe, the Middle East, Asia Pacific and the Americas, provide both coverage and throughput for airline requirements.

INNOVATIVE HTS PAYLOAD OVER THE PACIFIC OCEAN REGION

An innovative High Throughput payload on the EUTELSAT 172B satellite has been specifically designed for inflight broadband. Multiple user spot beams optimised to serve busy Asian and trans-Pacific flight paths will deliver an overall throughput of 1.8 Gbps to meet growing market demand in the region.

By combining HTS and Ku-band widebeam capacity, airlines can provide both broadband services and live TV broadcasting to aircraft via a single on-board antenna. Panasonic Avionics Corporation has selected the EUTELSAT 172B satellite as its platform for trans-Pacific and Asian inflight broadband and live TV services for commercial airlines.