

JETWAVE™

Satellite Communications System
for Military Operators



Honeywell

JETWAVE SATELLITE COMMUNICATIONS SYSTEM™

Honeywell's JetWave™ satellite communications system provides seamless and reliable Ka-band connectivity for militaries worldwide. Designed to provide global broadband speeds and bandwidth, the Honeywell hardware and Inmarsat Global Xpress network are optimized for mobility to provide a consistent, secure, and high-speed environment for transmitting mission-critical information. The system can provide warfighters with unparalleled situational awareness, transforming the aircraft into a node in the battlefield network and enabling the warfighter to complete their mission safely.

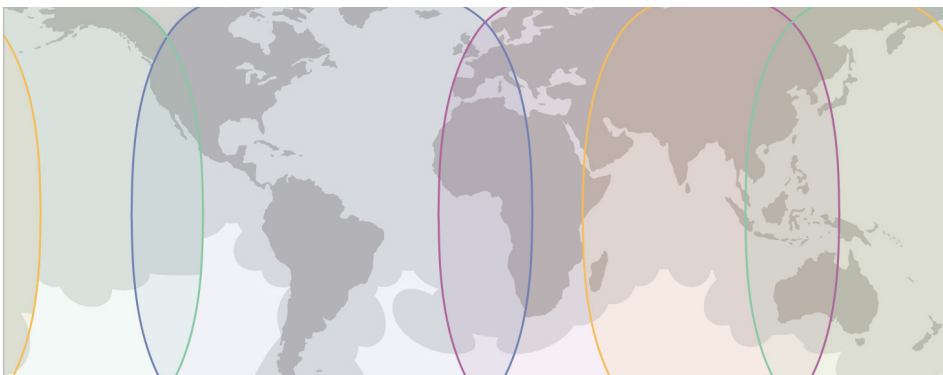
The market-leading JetWave hardware, designed and manufactured by Honeywell, enables users to connect to the Inmarsat Global Xpress network, which brings Ka-band satellite coverage across the globe.

The Inmarsat Global Xpress network offers the most extensive global coverage for military airborne operators, including over water, over non-traditional flight paths, and in remote areas, providing the warfighter with a constant command and control link. Global Xpress has four times the available bandwidth compared to alternative solutions in Ku-band, making the network faster than current Ku-band market offerings, under a new name.

For the unique environment of the military operator, JetWave and the Inmarsat Global Xpress network can enable a wide variety of mission-critical applications, such as real-time weather, video conferencing, large file transfer, encryption capabilities, in-flight briefings, ISR video, and secure communications. And the system is scalable and configurable for a wide variety of military platforms, with antenna options available for large and small airframes. Regardless of the airframe or its mission, JetWave can provide assured, high-speed, high-bandwidth, and secure connectivity to warfighters when and where they need it.

KEY BENEFITS

- System operates on the worldwide Inmarsat Global Xpress network
- Two-antenna configurations – Fuselage Mount Antenna (FMA) and Tail Mount Antenna (TMA) – for various aircraft types
- True broadband class connectivity, with data rates up to 33 Mbps (TMA) and up to 50Mbps (FMA)



Global Xpress Coverage Map

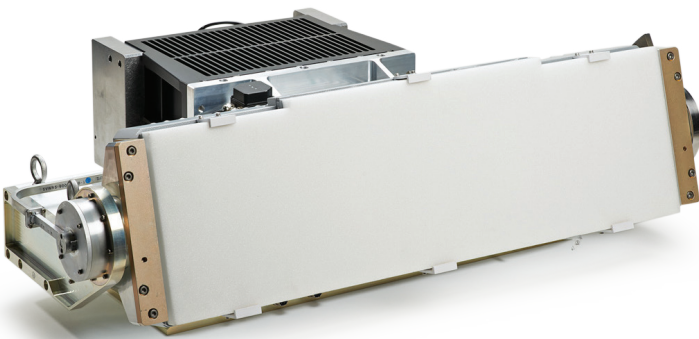


COMPONENTS

Two antenna options:

Fuselage Mount Antenna (FMA)

Applicable to larger, air transport-sized aircraft



Tail Mount Antenna (TMA)

Applicable to smaller military/government aircraft and business aircraft



Ka-Band Radio Frequency Unit (KRFU)



Ka-Band Aircraft Networking Data Unit (KANDU)



Modem Manager (Modman)

Both antenna options include a common RF and antenna controller, modem and router.

System Description Specifications	
Ka-band Satcom Antennas and Terminals	
Network Support	Operates on the Inmarsat Global Xpress network, enabling Jet ConneX service Fuselage-Mount Antenna (MCS-8100) or Tail-Mount Antenna (MCS-8000) Both systems include a common RF and antenna controller and modem Maximum Data Rates Up to 33 Mbps Interfaces
Maximum Data Rates	Up to 15 Mbps downlink Up to 1.0 Mbps uplink
Interfaces	115 V / 400Hz AC Power Multi-Ethernet data ARINC 429 from aircraft navigation bus Honeywell.com

System Hardware	Specifications
ModMan	Size 5.02" x 15.32" x 7.88" 4MCU Weight: 14.0 lbs
KRFU	Size: 3.23" x 18.05" x 9.01" Weight: 11.3 lbs
KANDU	Size: 4.74" x 11.02" x 9.06" Weight: 8.7 lbs
Fuselage Mount Antenna	Size: 35.72" swept volume x 9.39" high Weight: 83.0 lbs
Tail Mount Antenna	Size: 8.12" x 11.7" x 13.75" 12" max Swept Volume Weight: 10.0 lbs

For More Information

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FUTURE
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WHAT
WE
MAKE IT

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