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 50 Mbps (FMA)
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

#### Ka-band Satcom Antennas and Terminals

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network Support</td>
<td>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</td>
</tr>
<tr>
<td>Maximum Data Rates</td>
<td>Up to 15 Mbps downlink Up to 1.0 Mbps uplink</td>
</tr>
<tr>
<td>Interfaces</td>
<td>115 V / 400Hz AC Power Multi-Ethernet data ARINC 429 from aircraft navigation bus Honeywell.com</td>
</tr>
</tbody>
</table>

### System Hardware

#### Specifications

<table>
<thead>
<tr>
<th>System</th>
<th>ModMan</th>
<th>KRFU</th>
<th>KANDU</th>
<th>Fuselage Mount Antenna</th>
<th>Tail Mount Antenna</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>5.02” × 15.32” × 7.88” 4MCU</td>
<td>3.23” x 18.05” x 9.01”</td>
<td>4.74” x 11.02” x 9.06”</td>
<td>35.72” swept volume x 9.39” high</td>
<td>8.12” × 11.7” × 13.75” 12” max Swept Volume</td>
</tr>
<tr>
<td>Weight</td>
<td>14.0 lbs</td>
<td>11.3 lbs</td>
<td>8.7 lbs</td>
<td>83.0 lbs</td>
<td>10.0 lbs</td>
</tr>
</tbody>
</table>

For More Information
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