GX KA-BAND
BROADBAND CONNECTIVITY
Honeywell’s JetWave™ satellite communications terminals enable global consistent connectivity via Inmarsat Aviation’s Global Xpress (GX) Ka-band network. Designed to provide broadband-class data connectivity, the hardware and network are optimized for mobility to provide a consistently outstanding passenger experience all over the world. Passengers can experience the same Wi-Fi connection at 40,000 feet as they would on the ground.

These two MCS (Multi-Channel Satcom) configurations use identical RF and antenna controller, modem and router components, with the only difference being that the MCS-8000 uses a tail-mounted antenna and the MCS-8100 uses a fuselage mounted antenna.
Components

Key Features:
- System operates on Inmarsat Aviation’s Global Xpress Ka-band network, with four satellites covering the entire globe (polar regions excepted)
- True global broadband class connectivity
- FMA capable of speeds up to 50 Mbps
- TMA capable of speeds up to 30 Mbps
- Committed Information Rates (CIRs)
- Service offered through industry-leading Distribution Partners (DPs)
- Worldwide support through Distribution Partners, Honeywell service depots, and Inmarsat ground network and product experts
- Service available now

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

Fuselage Mount Antenna
Air Transport Aviation

Tail Mount Antenna
Business Aviation

KRFU
KANDU
ModMan

Radome Hardware Overview

MCS-8200
AIM Kit
- Platform agnostic skirt and fitting
- Reduced part type count
- Improved accessibility for install

LAIM Kit
- Aircraft specific skirt and fitting
- Lighter weight
- Lower cost

MCS-8000
- Radome and installation kits to be defined on a per platform (STC) basis
## System Description Specifications

### GX KA-band Satcom Antennas and Terminals

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<tr>
<th>Network Support</th>
<th>Specifications</th>
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<tr>
<td>Fuselage-mounted antenna (MCS-8100) or Tail-mounted antenna (MCS-8000) Both systems include a common RF and antenna controller, modem and router</td>
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<th>Interfaces</th>
<th>Specifications</th>
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<tr>
<td>115 V / 400Hz AC Power Multi-Ethernet data ARINC 429 from aircraft navigation bus Honeywell.comw</td>
<td></td>
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## System Hardware Specifications

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