

**BendixKing**



## AeroWave 100

The Optimal In-Flight Connectivity  
Solution for Charter and Fleet Operators

# High-Bandwidth, Wide-Coverage, and Reliable Connectivity Service

In a trip to your local coffee shop, you expect good coffee and Internet access. If the shop does not offer the latter, the traffic in it will be expected to reduce substantially. Similarly, it is a given that business jet travelers, using the services of fleet and charter operators, expect to have connectivity during their flight. Connectivity ensures that business travelers remain as productive during flight as they are in their offices. Indeed, connectivity during flight, when there are no interruptions, can maximize the productivity of business travelers.

Research has shown that with 98% of aircraft expected to have some level of connectivity within the next 15 years, operators are increasingly seeking cost-effective connectivity solutions.

The necessary features of connectivity depend on several factors:

1. Most used application
2. Geography
3. Service reliability (known as Quality of Service - QoS) including secure connections

NBAA research has shown that 97% of business travelers want email access, 64% use web browsing and 36% require VPN access.

The business traveler also wants to have reliable connectivity without loss of coverage – close to 30% of business trips are international.

BendixKing AeroWave 100 offers the optimal solution for a fleet/charter operator to ensure the satisfaction of customers.



AEROWAVE 100 FEATURES		
BANDWIDTH	COVERAGE	RELIABILITY
Bandwidth that meets business travelers' need: 100 to 200 kbps. Ideal for News, VoIP, Email, Messaging and Brokerage apps.	Wide coverage over land or water. Your customers have coverage whether they fly over contiguous land or an ocean. The same reliable connections are available globally.	High Quality of Service (QoS) level with highly secure connections, based on Inmarsat's highly reliable service.



Your own crew will also benefit from real-time weather conditions and ensure connectivity between your pilots and the operational team for optimizing flight schedules and minimizing aircraft downtime.

# The Features

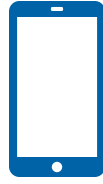
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Email



Weather Data



Voice/Text/  
Breaking News



Stock Quotes

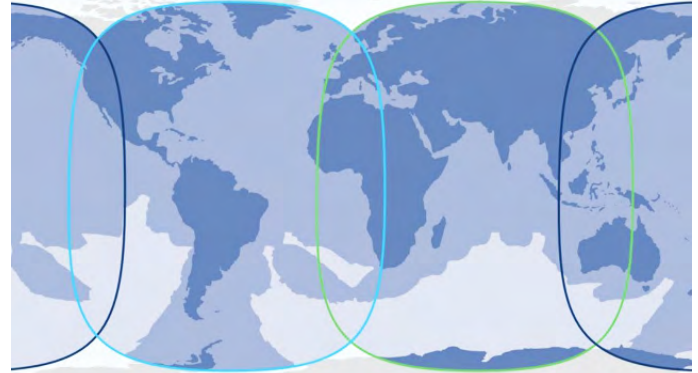


Real-time streaming of  
aircraft telemetry

As a fleet/charter operator, you get all of the above at unbeatable price levels (\$2,000 for a block of 50 hours with no limit on data volume). BendixKing knows that achieving your business key performance indicators (KPIs) are of utmost importance. Talk to us and we will share the financial analysis with you and show the benefits to your business' bottom line. Assuming that availability of Wi-Fi results in 2 more flights per month, and using industry average data, our analyses show that a charter/fleet operator can benefit from an ROI of 106% and a payback period of 11 months with the purchase of an AeroWave 100 plus the payments of the monthly service fee.



# Technical Specifications



## AeroWave™ 100 HDU

- 14.9" L x 2.4" W x 7.8" H
- Weight: 8.8 lbs (4.0 kg)
- Mounting: 2-MCU Tray
- Transmits: 1626.5 – 1660.5 MHz
- Receives: 1525.0 – 1559.0 MHz
- Power Dissipation: 40 W max, 30 W typical
- Operating Voltage: 20.5 – 32.2 VDC
- Cooling: 15.5 lbs/hr air @ 0.44 +/- 0.025" water
- No scheduled maintenance required
- Ethernet: 10BASE-T
- RS-232: Maintenance Port ISDN S/T
- Software: DO-178 Level E
- Voice plan available with per minute rate

## Active LGA Antenna subsystem

- Antenna: 5.6" L x 4.4" W x 1.9" H and 1.5 lbs
- Bias-T: 4.5" L x 4.2" W x 1.4" H and 1 lb
- Power Dissipation: 40 W max
- No forced-air cooling required
- Built-in GPS

## Satellite communications

- Inmarsat (class 15)
- 100kbit data plan with flat-rate per hour, no per-MB charge
- 200kbit data plan available with per MB rate
- Voice plan available with per minute rate