



# AFIRS Edge™

Industry First 5G Wireless Quick Access Recorder (WQAR)  
& Aircraft Interface Device (AID)



**Extensible Multifunction  
Avionics Platform**

**Cutting Edge App Hosting**

**Unlock More Data  
In Your Aircraft**

## For FLIGHT OPERATIONS

- Improved Reliability, Efficiency, Safety & Compliance
  - Future-proof Dual QAR/DAR for Flight Safety Analysis (FOQA/FDM)
  - Secure Data Harvesting for operations & fuel efficiency
  - Comprehensive aircraft tracking and flight data recovery

*5G cellular WQAR technology in AFIRS Edge™ extends the operational life of the WQAR far beyond current 4G LTE WQAR products.*

**Ask us how AFIRS Edge™ also allows you to maintain your Data Independence.**

## For the FLIGHT DECK

- Reduced Pilot Workload & Data Costs
  - Designed for all your chosen EFB applications, including Jeppesen
  - Flight Deck Wi-Fi and Enhanced Aircraft Interface Device (eAID) in a single unit – A834 ADIF
  - Reliable EFB IP connection gate-to-gate, including taxi-in and taxi-out
  - 1 TB A679 Network Attached Storage (NAS), remotely managed storage for EFB and maintenance applications.
  - ACARS over IP – increased data capacity at lower cost with 100% global coverage
  - EFB charging (optional)

## For MAINTENANCE & ENGINEERING

- Reduced AOGs & Operational Disruptions
  - Massive sensor data harvesting for aircraft Predictive Maintenance
  - Engine (FADEC) & Flight Data Recorder (FDR) download on demand or on every landing
  - Onboard Data Loading including wireless distribution & storage, ARINC 645-1 compliant
  - Comprehensive telematics and real-time Aircraft Health Management
  - Onboard aircraft data access and Wi-Fi connectivity for line maintenance
  - On demand real-time data streaming for remote aircraft troubleshooting

## For INNOVATION

- Enabling Airline Digital Transformation
  - 5G/4G/3G airport connectivity global roaming service for similar cost of domestic data
  - Global Satcom connectivity with Iridium Certus option
  - Remote Over-The-Air (OTA) managed
  - Onboard App Hosting
  - Next generation Edge Logic Application (ELA) ACMS featuring on-wing Machine Learning Inference
  - Internet of Things (IoT) Data Gateway
  - Cloud Native featuring AWS IoT Greengrass technology
  - Supports private 4G and 5G airport network deployments
  - Touchless fleet-wide updates, application & configuration management

**JETBRIDGE** – Supercharge your AFIRS Edge™ data

- **AFIRS Gateway™**
  - An interface that provides your airline with total control over Flight Data, Edge Device Health & Management, with access to help from Subject Matter Experts (SMEs).
- **ClearPort™**
  - Fully automated view into your entire airport turn process, including APU usage, which will allow you improve your On Time Performance (OTP). Get real-time updates on an easy-to-use mobile app.
- **FuelSense™**
  - Gain comprehensive insight into areas of improvement for your custom fuel burn reduction initiatives.
  - Save up to 4% of fuel costs, and help you meet carbon offset mandates, and other regulatory requirements.

### Canada

#500, 1212 – 31 Avenue NE  
Calgary, AB, T2E 7S8  
Canada

### USA

4600 South Syracuse, Suite 900  
Denver, CO, 80237-2719  
USA

### Europe

Hanauer Landstrasse 312,  
D-60314 Frankfurt a.M.  
Germany

### China

27 building 3-112, An De Lu No.55,  
Dong Cheng District, Beijing  
China