

# EFB System for Boeing Aircraft Full System Integration



## OEM Class III System Replacement

- ARINC 600 format Aircraft Interface Devices replace the existing EFB computers
- Makes use of existing aircraft interface wiring (Ethernet, ARINC 429, and Discretes)

- Tablet Electronic Flight Bag
- Operational cost and efficiency benefits

## INTRODUCTION

As an EASA-approved design and production organization specializing in turn-key solutions, we produce design packages and installation kits in-house, giving our customers single-source procurement and the benefits of an efficient combined operation. Our AS9100 Quality Management System oversees all our work.

Our Electronic Flight Bag System is designed for several Boeing aircraft, including 747, 757, 767, and 777. At the heart of the system is an ARINC 600 package Aircraft Interface Device (AID), which is designed to replace the existing OEM-installed computers. Our solution provides passenger and cargo aircraft operators with an expandable and customisable system, which enables the utilisation of aircraft data to increase efficiency and optimise operating costs – all in real-time.

The system includes a Collins Aerospace AID that delivers real-time communications between the aircraft and ground operations via SATCOM, or cellular data, while on the ground.

Aircraft systems provide the data required to achieve optimal performance, and the hardware adds new network functionality to the aircraft. Tablets can be mounted as EFB displays in the flight deck, and functionality such as virtual QAR and remote dataloading can be realised.

## CONNECTED AIRCRAFT BENEFITS

### Improved Operating Costs

- More efficient flight plans and fuel usage

### Improved Customer Experience

- Increased on-time flights
- Turbulence avoidance
- Real-time tracking for precious or sensitive freight

### Flight Crew Operations

- Streamlined workload
- Improved situational awareness

### Technical Operations

- Real-time data access
- Predictive maintenance

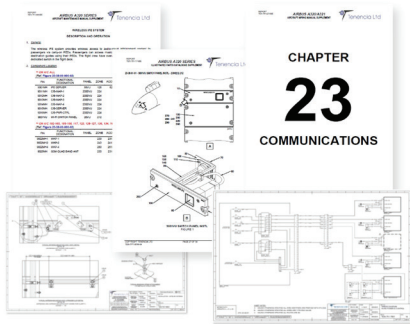
### Safety & Security

- Real-time data access
- Fast access to system data onboard in one place
- Real-time POS approvals
- Internal temperature monitoring

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## TURN-KEY PACKAGE COMPONENTS

EASA/FAA STC



Aircraft Interface Devices



Installation Kit



## FEATURES

### Intelligent Aircraft Interface Device

- Multiple interfaces to aircraft systems
- Virtual quick-access recorder plus DVR & video streaming
- Aircraft Condition Monitoring Lite (ACMS-Lite)
- Flight tracking
- Data loader
- ARINC 834 server

### Tablet Interface Modules

- Flight deck mounted
- Transmit aircraft data from the aircraft interface device to the tablet display
- Provide power to the tablet displays

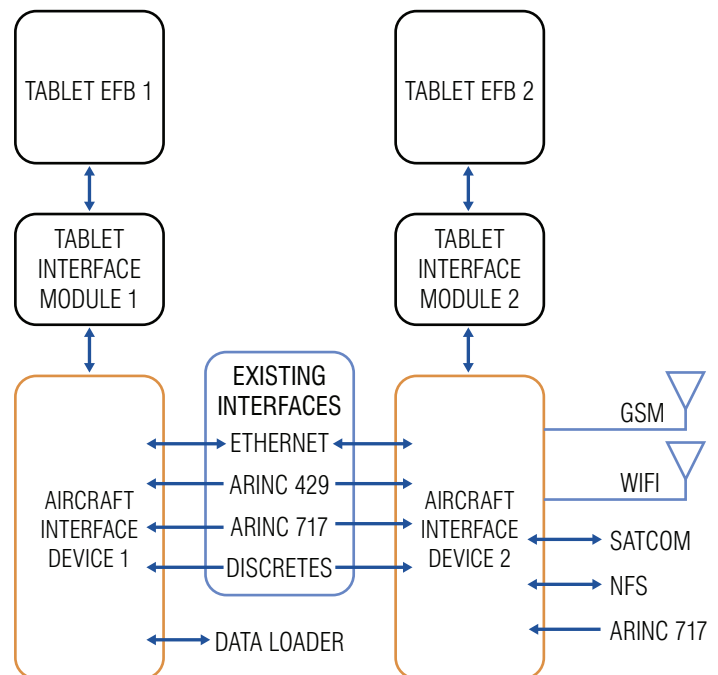
### Tablet EFB Displays

- Mounted in place of existing displays
- Various tablets can be used

### Options

- Intellisight® Electronic Flight Folder
- Internal & external cameras
- Cargo computer interface

## SYSTEM ARCHITECTURE



See our full line of System Installation Kits at:  
[CarlisleIT.com/products/system-installation-kits/](http://CarlisleIT.com/products/system-installation-kits/)

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