UTC Aerospace Systems’ Aircraft Data Management (ADM) platform enables real-time data exchange between Electronic Flight Bags (EFBs), aircraft avionics and airline operations, allowing airlines to optimize flight operations while lowering costs and securely protecting data. This innovative system uses proven and certified hardware, providing access to conditioned power and avionics data through the user’s tablet device during all phases of flight.

The modular design permits airlines to add capabilities over time, such as OpsInsight™ Electronic Flight Folder (EFF), real-time weather and flight optimization applications, making this the most scalable aircraft data management solution available.

Our tablet EFB platform consists of two unique tablet interface modules (TIM®), an FAA/EASA/CAAC-certified aircraft interface device (AID) and an installation kit. The TIM works with the AID allowing the user’s tablet to perform as an EFB and access an array of key aircraft avionics data such as GPS position, ground speed and aircraft heading as well as the aircraft’s communications systems, which facilitates the transmission of real-time information such as weather and flight performance tracking.

Benefits
• Elimination of paper in the cockpit
• Real-time aircraft data exchange
• Improved situational awareness
• Greater operational efficiency
• Fuel optimization
• Faster turn around time
• Better on-time performance
• Field loadable (new and updated apps)
Tablet Electronic Flight Bag (EFB)

The UTC Aerospace Systems OpInsight suite of software applications provides flight crews, maintenance teams and airline operators with an array of critical information in an easy to access, consumable platform that helps increase efficiency by streamlining operations. These applications, available for use on COTS tables or embedded in the ADM platform, offer a scalable, modular product family that can operate together or individually. In addition, the ADM platform supports many leading mobile applications, including charting and navigation, real-time weather and eTechLog.

Core Functionality
• Access to aircraft data and communications via the AID
• Mass storage
• Navigation logging
• EFB cross-talk/tablet networking
• Tablet charging for iPad® and Windows® Surface 3 tablets

Features
• Single unit offers AID, QAR, data loading, ACMS reporting and DVR functionalities, secure communications management, mass storage and application hosting
• Optional TIM provides conditioned power to tablet, peer-to-peer communications and TIM-to-TIM data sync across multiple devices
• Compatible with preferred SATCOM and ACARS providers
• Solid state CFast SATA 32GB storage (field removable/upgradable to 256GB)

Enabled Capabilities
• Performance optimization
• Real-time weather
• Aircraft printing
• Ship’s library
• Aircraft health monitoring
• Flight tracking
• eTechLog

OpsInsight Applications & Services
• Electronic Flight Folder (EFF)
• Quick Access Recorder (QAR)
• Cloud and communication services

ADM platform architecture diagram

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