



Patented design

Tablet Interface Module (TIM[®])

A key component of the UTC Aerospace Systems' Aircraft Data Management (ADM) platform, the Tablet Interface Module (TIM[®]) enables secure wired and wireless exchange of real-time data between aircraft avionics, pilots' Electronic Flight Bags (EFBs) and maintenance personnel tablets. 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.

Access to real-time data enables pilots to make time-critical decisions that affect passenger comfort as well as flight path optimization. Data flowing from the TIM can be fed into industry applications, bringing pilots real-time weather, moving maps, document storage/ repository, performance, weight & balance and peer-to-peer data exchange.

The TIM works with the Aircraft Interface Device (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)
- iOS[®] and Windows[®] tablet compatible



UTC Aerospace Systems

Tablet Interface Module (TIM[®])

Features

- Provides conditioned power to tablet, peer-to-peer communications and TIM-to-TIM data sync across multiple devices
- Solid state 8GB storage
- iOS[®] and Windows[®] compatible
- Lightweight, low-cost system with small footprint
- Broad STC portfolio
- iOS[®] Software Development Kit (SDK) available

Aircraft Interfaces

- 1x +28VDC Power Input
- 4x GND/Open Discrete Inputs
- 1x Overlay Dimming Bus Analog Input
- 1x Annunciator Dimming Bus Analog Input
- 1x 10/100 Ethernet Interface
- 1x RS232 terminal port

Tablet Interfaces

- 2x USB Interfaces
 - Top USB Port
 - 2.1 Amps at 5.1 Volts (Apple Compliant)
 - Bottom USB Port
 - 0.5 Amps at 5.1 Volts (Apple Compliant)*
- * Note: Power on bottom port is not available when USB Micro Adapter is installed. This is desirable for compatibility with Windows platform OTG ports.
- 2x Wireless Bluetooth[®] Interfaces

Core Functionality

- Access to aircraft data and communications via the AID
- Mass storage
- Navigation logging
- Real-time clock
- Apple[®] authentication co-processor
- EFB cross-talk/tablet networking
- Tablet charging for iPad[®] and Windows[®] tablets

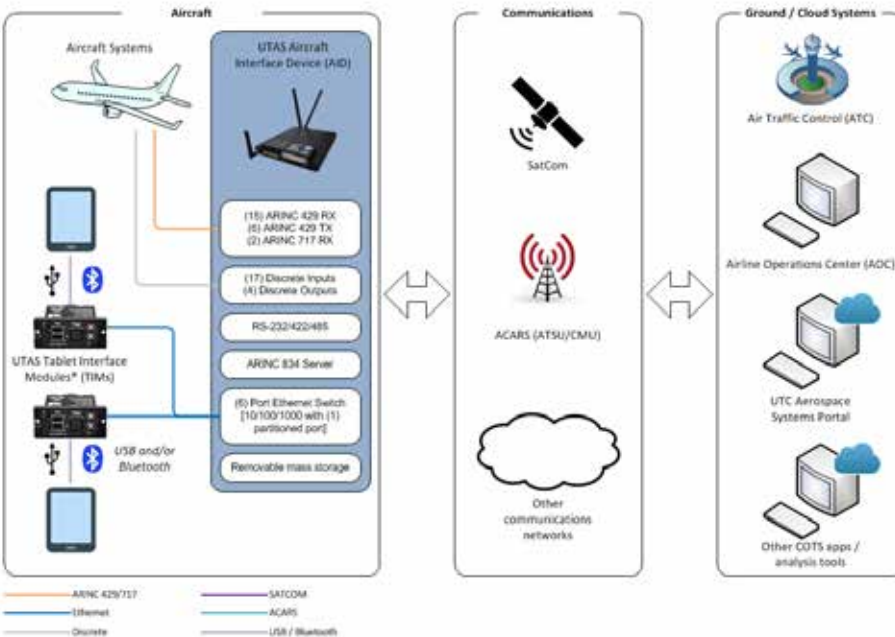
Enabled Capabilities

- Performance optimization
- Real-time weather
- Aircraft printing
- Ship's library
- Aircraft health monitoring
- Flight tracking
- eTechLog

Applications & Services

- Electronic Flight Folder (EFF)
- Virtual Quick Access Recorder Plus (vQAR+)
- Document and data repository
- Cloud and communication services
- ACARS messaging

ADM platform architecture diagram



For additional information:
 14300 Judicial Road, Burnsville, MN 55306 U.S.A.
 Tel: +1 952 892 4000
 Toll-Free +1 844 UTAS EFB (+1 844 882 7332)
 efb@utas.utc.com



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