



TABLET INTERFACE MODULE (TIM®)

SECURE ACCESS TO REAL-TIME DATA

Expand pilot awareness for optimized flights

A key component of the Collins IntelliSight™ platform, our Tablet Interface Module (TIM®) enables the secure wired and/or wireless exchange of real-time data between aircraft avionics, pilots' tablet-based electronic flight bags (EFBs). 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 and safety, as well as flight path optimization. Data flowing from the TIM can be fed into Collins Aerospace and/or third-party applications, bringing pilots real-time weather, moving maps, document storage/repository, performance, weight-and-balance and peer-to-peer data exchange.

The TIM works with our Aircraft Interface Device (AID), enabling the user's tablet to perform as an EFB and access an array of key aircraft avionics data. This data can include GPS position, ground speed and aircraft heading as well as access to the aircraft's communications systems, which facilitates the transmission of real-time information such as weather updates.



Patented design

KEY FEATURES AND BENEFITS

- Elimination of paper in the cockpit
- Real-time aircraft data exchange, including navigation logging at each waypoint
- Field-loadable software (new and updated apps)
- iOS® and Windows® tablet compatible
- Provides conditioned power to tablet, peer-to-peer communications and TIM-to-TIM data sync across multiple devices
- Solid-state, syncable storage for shipset library or databases
- Lightweight, low-cost system with small footprint
- Broad STC portfolio
- Apple MFi-approved device
- iOS software development kit available

AIRCRAFT INTERFACES

- +28 VDC power input
- Four Ground/open discrete Inputs
- Overlay dimming bus analog input
- Annunciator dimming bus analog input
- 10/100 Ethernet interface
- RS-232 terminal port

TABLET INTERFACES

Two USB interfaces

- Top USB port
2.1 amps
- Bottom USB port
0.5 amps

Two secure 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

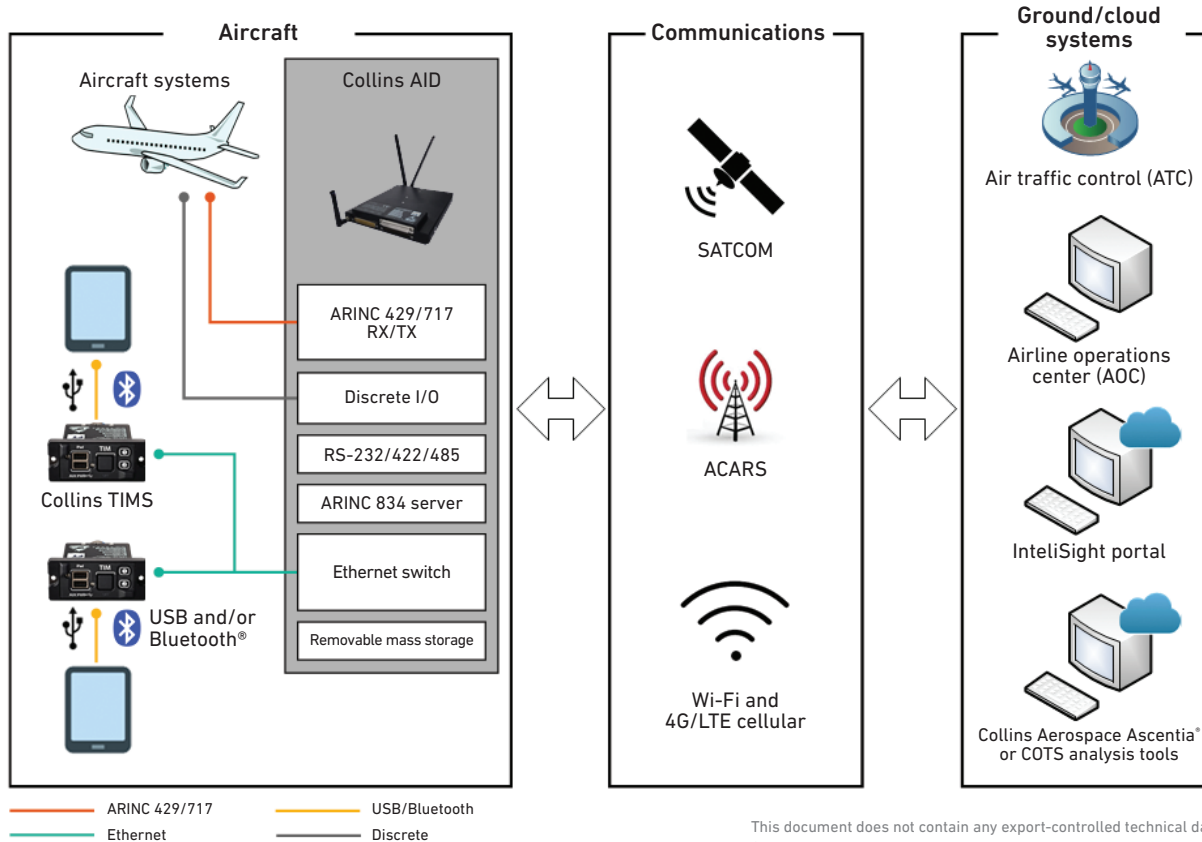
- Performance optimization
- Real-time weather
- Aircraft printing
- Ship's library
- Aircraft health monitoring
- Flight tracking
- eTechLog

APPLICATIONS AND SERVICES

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

This is desirable for compatibility with Windows platform OTG ports.

INTELISIGHT PLATFORM ARCHITECTURE DIAGRAM



This document does not contain any export-controlled technical data. Specifications subject to change without notice.