

Our Aircraft Interface Device (AID) provides easy access to multiple aircraft data and communications channels. It is the foundation of our Aircraft Data Management (ADM) systems.



Aircraft Interface Device (AID)

The UTC Aerospace Systems Aircraft Interface Device (AID) is an Aircraft Data Management (ADM) technology designed with enhanced functionality, broader capabilities and an open architecture. The AID is integrated with services and software to create a complete, ready-to-use solution.



Applications

- Flight tracking
- Quick Access Recording
- Aircraft Condition Monitoring System (ACMS) Lite

Connectivity

- 1x +28VDC input power
- 3x 10/100 base-t Ethernet
- 3x 10/100/1000 base-t Ethernet
- 16x ARINC 429 bipolar receivers (2 receivers feature auto-detect for bipolar ARINC 717 data)
- 1x ARINC 717 Harvard bi-phase receiver
- 6x ARINC 429 transmitters
- 1x RS 232 and 1x RS 422/485
- 16x GND/open discrete inputs
- 4x GND/open discrete outputs
- 1x +28V/open discrete input

Features

- Field loadable software
- ARINC 834 STAP server
- Communicates with preferred SATCOM and ACARS providers
- 4GB RAM
- Solid state CFast SATA 32GB storage (field removable/upgradable)
- Backwards compatible with UTC Aerospace Systems first generation AID
- Qualified to DO-160G environments
- Ability to add hosted functions

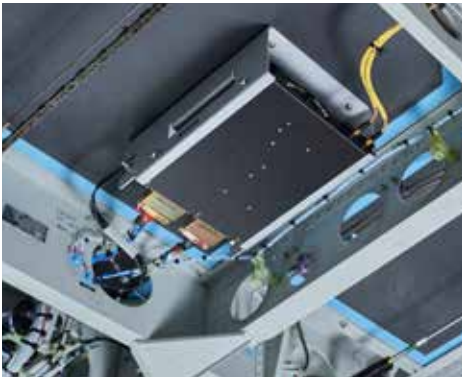
Options

- DO-178B level C software platform, including avionics-grade real-time operating system (RTOS)
- DO-254 certified to DAL C



UTC Aerospace Systems

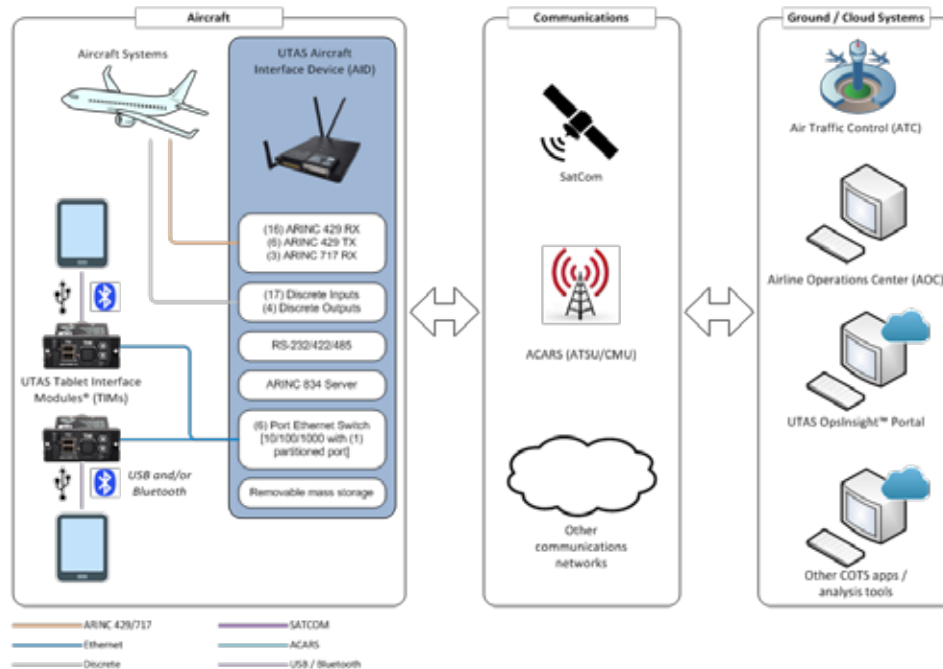
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Installation Features

- Certified device with Parts Manufacturer Approval
- Installations include Airbus, Boeing and Bombardier aircraft
- Aircraft integration is optimized for ease of installation and minimized total cost
- Supports multiple mounting orientations
- AID does not require any active cooling or ARINC racking
- Low weight and small form factor
- FAA/EASA/CAAC certified

ADM platform architecture diagram



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