



AIRCRAFT INTERFACE DEVICE

EASIER MULTI-CHANNEL DATA/COMMS ACCESS

Open-architecture design with added functionality

The Collins Aircraft Interface Device (AID) is an aircraft connectivity technology with enhanced functionality, broader capabilities and an open architecture. We integrated our AID with services and software to create a complete, ready-to-use solution for virtually any commercial aircraft.



KEY FEATURES AND BENEFITS

- Field-loadable software
- ARINC 834 server
- Communicates with preferred SATCOM and ACARS providers
- Solid-state storage (field removable/upgradable)
- Backward compatible with previous generations of Collins AID
- Qualified to DO-160G environments
- Able to add hosted functions such as vQAR+ and ACMS+
- Integrated Wi-Fi and cellular radios

APPLICATIONS

- virtual Quick Access Recorder Plus (vQAR+)
- Aircraft Condition Monitoring System Plus (ACMS+)
- Data Repository
- Data Loader

CONNECTIVITY

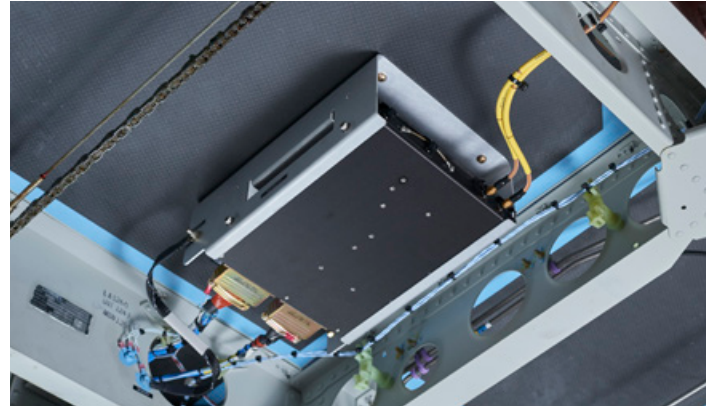
- +28 VDC input power
- Integrated Wi-Fi and 4G/LTE cellular radios
- Three 10/100 Base-T Ethernet
- Three 10/100/1000 Base-T Ethernet
- 16 ARINC 429 bipolar receivers (two feature auto-detect for bipolar ARINC 717 data)
- One ARINC 717 Harvard bi-phase receiver
- Six ARINC 429 transmitters
- One RS 232 and one RS 422/485
- 16 GND/open discrete inputs
- Four GND/open discrete outputs
- One +28 V/open discrete input

OPTIONS

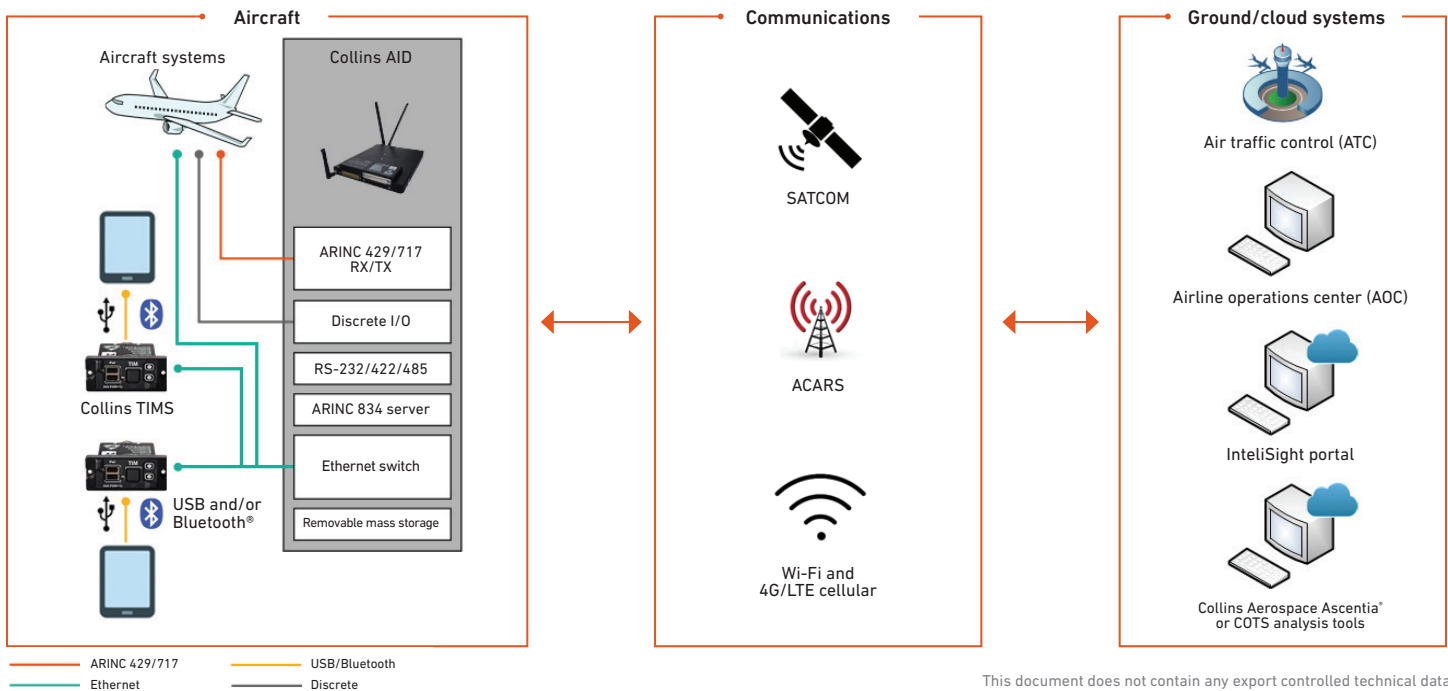
- DO-178C level D software platform
- DO-254 certified to DAL D

INSTALLATION FEATURES

- Certified device with FAA 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
- Does not require any active cooling or ARINC racking
- Low weight: 2.5 lbs/1.1 kg
- Small form factor: 7.6" x 9.6" x 1.5" / 19.3 cm x 24.4 cm x 3.8 cm
- FAA/EASA/CAAC/TC/DGCA certified
- Enterprise WiFi certificate support



ADM PLATFORM ARCHITECTURE



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