Data Connectivity Solutions

In the end every air carrier business case manager knows the key to ROI for any Electronic Flight Bag (EFB) program is rapid deployability, minimized implementation cost, and ease of access and distribution of data! Data provides the standard for any solid business case that benefits an organization. Whether value comes from enhancements to flight operations, maintenance and engineering, cabin crew or enterprise organizations, it must be cost effective, accurate and easily analyzed by the entire organization.

Aircraft Interface Module (p/n 1048-5002-00)

The Aircraft Interface Module (AIM) is a wired interface that collects electronic ARINC 429 and other on-board systems and sensor data from peripheral avionics equipment, including Flight Management Systems (FMS) and Central Maintenance Computers (CMC)[1]. The collected data is then converted by the AIM and transmitted into the authenticated iPad EFB device. Whether the AIM is deployed to integrate Apple CoreLocation Apps, or fully aricraft-aware (those apps created with the flyTab SDK) apps, the AIM is the perfect iOS aircraft data interface right out-of-the-box.

The AIM serves data to either one (1) or two (2) connected and authenticated Apple®[2] iPad®[2] devices simultaneously, on-the-wire! There are no cockpit data latencies, wireless, or security concerns with the flyTab AIM. The AIM has been designed for a fully wired interface with the iPad EFBs, mitigating regulatory and certification concerns by the FAA and international CAA's regarding Wi-Fi in the cockpit. Also, the AIM's wired interface eliminates concerns regarding data latency and system security within EFB applications and aircraft interfaces because with no intentional transmitters or radiated emissions, rogue operators and other bad actors are eliminated from the flyTab EFB's closed system architecture.

flyTab®

Made for iPad

www.flyTab.aero

Avionics Systems & Integration Group

The flyTab suite of products and associated trademarks are developed and owned by the Avionics & Systems Integration Group (ASIG), the industry pioneer of analogue to digital upgrades for contemporary and classic aircraft.

Services

- Integration Engineering
- Installation Kit Manufacturing
- Installation of COM/NAV, Situational Awareness and Air Traffic Management (CNS/ATM)
- Maintenance, Modification and Repair
- Certification & Program Management

We also perform design research and development of emerging technologies in support of aircraft operations, maintenance, modification and repair activities for civil, commercial, government and foreign flight departments.

Mission

ASIG increases airframe values while safely maximizing the inservice life span of contemporary and classic aircraft through retrofit and standardization while lessening the cost of operations and maintenance for our customers.

About

- U.S. Federal Aviation Administration Parts Manufacturing Approval (FAA-PMA) Number PQ1052SW.
- US DoD Federal Contractor
- Small Emerging Business, Veteran Owned Small Business
- Service Disabled Veteran Owned Business
- CAGE: 4BYP5

Contact

10 Collins Industrial Place, Suite 3-B
North Little Rock, AR 72113
www.asigllc.com | (866) 890-2744

AIM Specifications

Weight

- 0.7 lbs

Size

- 1.57" H x 6.90" L x 4.24" W

Power

- Input power: +28VDC

Specifications

- Regulatory: TSO-C115c (Incomplete System)
- DAL: RTCA/DO-178B Level C
- Environmental: RTCA/DO-160F
- Categories: [A4X]BBB[R(B,B1) U2(F,F1)]XXXXXXZ[BXX]AZ[CC][R R]M[XXJ33]XXAX
  - Operating Temperature: -40° to +70°C
  - Operating Altitude: Up to 42,000 ft
  - Storage Temperature: -55° to +85°C
  - In-Flight loss of Cooling: Equipment can run indefinitely with no cooling
  - MIL-HDBK-217 MTBF: greater than 20,000 hours

1 Installation dependent

2 Apple and iPad are trademarks of Apple Inc., registered in the U.S. and other countries.

3 Lightning is a trademark of Apple Inc.

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