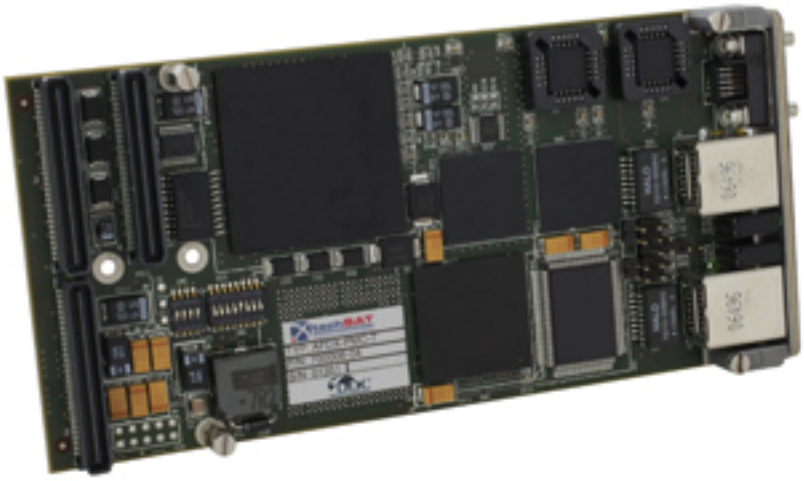
Data bus solutions used in the test and integration of the Airbus A350/A380 and the Boeing 787 aircraft



Data Device Corporation (DDC) and TechSAT combine their resources and expertise to offer robust AFDX/ARINC 664 data bus solutions. TechSAT's field-proven and mature AFDX technology, which has been used in the test and integration of the Airbus A350/A380 and the Boeing 787 aircraft, is now offered by DDC in the DD-82101F [1] AFDX/ARINC 664 PMC card.

The DD-82101F, which is also available in PCI and cPCI form factors, provides two full duplex AFDX/ARINC 664 network interfaces that can be operated in either independent or dual-redundant mode, and additionally offers comprehensive error injection/detection, filtering, and triggering features. Furthermore, the DD-82101F can be used with dataSIMS [2], DDC's premiere data bus test and analysis software, providing an easy-to-use graphical interface for advanced data simulation, visualization, analysis, and integration.

Benefits include:

- Off-the-Shelf, Compliant AFDX Test Solutions
- Comprehensive Hardware/Software Integration
    - Optimized for Use with DDC's dataSIMS Test & Analysis Software
    - Accelerates Development & Deployment

- Flexible Solutions for Circuit Board, LRU, or System Level testing
    - Ability to Test End System and Switch Functionality
- Software Development Kits (SDK) Enable Application Specific Solutions

http://www.ddc-web.com [3]

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