

# Tapping into demand

With the introduction of the revolutionary AFDX (Avionics Full Duplex Switched Ethernet) and ARINC664 data network, on-board future civil and military aircraft, including the Airbus A380 and A400M and Boeing 7E7 Dreamliner, tapping into aircraft data networks with minimum disruption to the wiring and cabling will be a primary concern to the aircraft developers, airline operators and maintenance teams.

To support this, AIM has recently introduced a powerful, but small device known commercially as an fdXTap™. The device comprises a lightweight box connected to a standard PC via a USB 2.0 high speed interface and provides a 'tapping' function with four integrated AFDX/ARINC664 receive ports.

Hansjoerg Frey, general manager of AIM GmbH and leading industry expert within the AFDX/ARINC664 community said: "The monitor tap has been introduced to the market to provide AFDX/ARINC664 users with a quick, simple and cost efficient way to monitor AFDX/ARINC664 traffic between end systems and switches. The physical 'tap' and the AFDX/ARINC664

electronics provide for traffic processing, monitoring and filtering functions all contained in one small box reducing the complexity of the network cabling and routing."

Embedded into AIM's fdXTap are two Bus Interface Units (BIU's), 600MHz Xscale Processors, 128MB Global memory with a mixed RAM Architecture plus a high precision 'free wheeling' IRIG-B time decoder and standard amplitude modulated IRIG-B encoder.

Monitor tap functionality includes comprehensive filtering, triggering and capturing, VL oriented receive and chronological monitoring operation with 100 per cent AFDX/ARINC664 network recording. The fdXTap is fully compatible with fdXplorer and ParaView databus analyzer and visualiser software for Windows and will be available for delivery from November 2004. For further information please contact you're

nearest AIM sales office or local representative.

AIM is the supplier of choice to the AIRBUS A380 consortium and has already equipped each partner company and all of the sub-contractors with databus interface modules, databus analysers and ARINC615A data loaders in addition to the industry standard fdXplorer databus analyser software.

AIM continues to introduce new products in order to meet new challenges that are demanded by its large installed AFDX/ARINC664/ARINC429, MIL-STD-1553, STANAG3910/EFEx and Fibre Channel customer base located throughout the world.

AIM has direct sales and support offices in Germany, UK and the USA and works in conjunction with a network of exclusive representatives worldwide, whom together, provide expert technical support for all AFDX/ARINC664 applications.

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