

# AFDX supporting the Airbus family

Aircraft developers such as Airbus Industries have the requirement to provide data loading facilities for a number of the avionics boxes on the A380 and future A400 aircraft. To support this, the company AIM GmbH based in Freiburg, Germany has extended the capabilities of its family of AFDX Test & Simulation modules and fdXplorer Databus Analyser Software to include a TFTP protocol engine made available to user as an option to the standard API (Application Programming Interface) of the AIM AFDX cards.

The TFTP protocol engine provides TFTP client and server functionality as well as support to perform the TFTP through standard Ethernet. Jo Schuler, Head of AFDX Software developments at AIM said: "From the application point of view, it is just a matter of configuration at TFTP library level if the file transfer is performed via AFDX or Standard Ethernet. This offers great flexibility

for today's data loader applications, especially for the Airbus A380/A400M programs."

TFTP is the base for ARINC615A Data Loading Protocols. The top most layer in the range of data loading support tools is the Data Loader Application being a Windows GUI application supporting 615A up, and downloads. The 615A data loader application includes the 615A data loader protocol engine, which allows customer applications to take advantage of this scalable approach and to embed data loading into their own software. AIM will also introduce ARINC615A support for its family of ARINC429 modules and analysers in the near future.

In 2003, AIM GmbH was selected as the 'supplier of choice' to the Airbus A380 consortium and has equipped each partner company with the 'common standard databus analysers equipment', based on the fdXplorer Databus Analyser Software and AFDX modules. AIM



continues to invest in a program of product enhancements to meet new challenges.

AIM has direct sales and support offices in Germany, UK and the US and works in conjunction with a network of exclusive representatives worldwide, who together provide expert technical support for all

AFDX applications.

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