

# Aiming high for the sky

AIM, USA has announced the arrival of the Simulyzer, a new high performance dual port fibre channel data generator/simulator and monitor/analyser interface module for PCI, and its supporting GUI, fcXplorer. This interface module, model number APG-FC2, provides test and verification of nodes and/or switches communicating via the international communication protocol standards of fibre channel.

The APG-FC2 performs testing of fibre channel interfaces configured in any topology including in-line, point-to-point, switched fabric, and arbitrated loop at selectable line rates of 1.0625Gb/s or 2.125Gb/s. It also supports all protocols operating under the fibre channel standard including the JSF ASM and MIL-STD-1553. The fcXplorer software package provides a complete Windows user interface for all APG-FC2 functions. ParaView, the parameter visualiser software package for Windows, will support detailed graphical analysis for multiple avionics parameters.

The Simulyzer and fcXplorer together provide unparalleled fibre channel testing/analysis for the most demanding avionics applications. The Simulyzer includes two ports for data generation/simulation and simultaneous monitor/analyser functionality. Data generation can be performed on any level (FC-1, FC-2 or FC-4). Exchanges, sequences, frames, ordered sets and source ID are programmable. Errors can be injected on any frame header or payload parameter(s). Data generation capabilities include replay of archived files, In-line reproduction, and real-time simulation.

The dual port chronological monitor/analyser provides chronological data capture of all critical information which may be archived to host PC storage mediums for recording purposes. Filters provide capture of pertinent data.

Powerful triggers, based on errors, timing, event counters, ordered sets and/or external signals, enable capture of filtered data before



and after the defined trigger. Immediate access/viewing of captured data is available via the company's Quick Access Monitor capability with current value monitoring providing monitoring of the last sample recorded for up to 16 different parameters.

The APG-FC2 hardware design uses a programmable IRIG-B time code decoder/generator for precision time stamping and synchronisation of all captured data between multiple ports, a Xilinx Virtex II including dual Power PC Processors

for application programming, and 1, 2, or 4GB DIMM(s) for scalable memory resources. A Windows 2000/XP compatible application programming interface (API) is available to support custom user application programming.

AIM has also introduced a PC-Card for testing MIL-STD-1553 systems. The APM1553 card incorporates a 'hot plug' capability with a ruggedised connector guaranteeing a reliable and robust connection for the laptop or portable computers with Type II, PCMCIA slots.

*For further information contact: AIM UK, Cressex Enterprise Centre, Lincoln Road, High Wycombe, Bucks, HP12 3RB, UK, Tel: +44 1494 446844, Fax: +44 1494 449324, Email: salesuk@aim-online.com. Or contact the US office: AIM-USA, 600 W. Reichmuth Rd, PO Box 338, Valley, NE 6804, USA, Tel: +1 866-AIM-1553, Fax:+1-402 359 5410, Email: salesusa@aim-online.com or tick Reader Enquiry Card 117*