

Geotest's AX-429 module is a rugged, reliable, full featured, CompactPCI module designed to provide a stand-alone, ARINC429 interface for avionics applications. Up to 32 ARINC429 channels are supported on the 3U model, and 64 channels on the 6U model. The AX-429 offers full functional test, simulation, monitoring and databus analyzer functions for ARINC429 test and simulation applications.

The AX-429 modules use on-board RISC processors, allowing each channel to operate and process data in real time at ARINC-429 high or low bit rates. One PMC module supports up to 32 channels, with 16 channels software programmable for Receive (Rx) or Transmit (Tx) mode and 16 channels statically configured as transmit or receive. Two PMC modules, installed on a 6U carrier card support up to 64 ARINC429 channels.

The AX-429 modules are equipped with a single trigger output that can be used for synchronization with external measurement equipment.

#### Software

This module is supplied with a Board Support Package for Windows 2000/XP/ME. An ATEasy driver, sample code, high level C and C++ interface libraries, and documentation is provided. The module is supplied with AIM-USA's MIL-STD-1553 Object Wrapper Layer (OWL) C and C++ interface library. The MIL-STD-1553 OWL provides an intuitive and easy to use object oriented interface to the module.

#### Key Features:

- 16, 32, or 64 ARINC429 channels per card
- Programmable high / low speed operation
- All Tx/Rx channels operate concurrently
- Full error injection & detection
- Cyclic / acyclic label transmission
- On-board application support processor
- Label selective trigger for capture / filtering
- Sort by SDI field
- IRIG-B time generator / decoder
- Real time record replay & post analysis of multiple channels

#### Applications:

- Automatic Test Equipment
- LRU and SRU test
- System level test



If you thought you couldn't test it.....  
.....talk to us !

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