

terotest

AX1553-3U Series

3U 1553 A/B Avionics Interface PXI Card

Geotest's AX-1553 module is a rugged, reliable, full featured, Compact PCI module designed to provide a stand-alone, MIL-STD-1553A/B interface for avionics applications. Up to four independent dual redundant MIL-STD-1553 databus streams are supported on the 3U AX-1553 module. Additionally, the AX-1553 offers full functional test, simulation, monitoring and databus analyzer functions for MILSTD-1553A/B applications. An onboard IRIG-B time code decoder and generator allows users to accurately synchronize single or multiple AX-1553 modules to a common time source. The AX-1553 module is available in single or full function (RT simulation, monitoring, and bus controller) configurations.

The AX-1553 modules utilise a simple, reliable, high performance FPGA based hardware architecture which features an embedded onboard PowerPC and the highest data throughput rates in the industry. The AX-1553 cards are configured with two 128MB banks of onboard memory, providing ample capacity to support high volumes of data and complex simulations.

Software

The AX-1553 module is supplied with a Board Support Package (BSP) 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:

- One, two, or four MIL-STD-1553A/B Interfaces with full Error Injection and Detection
- 14 Digit (400 days) absolute IRIG-B Time Code Decoder / Generator, 1 μ sec resolution
- One, two, or four MIL-STD-1553B Trapezoidal Transceivers
- Direct coupled Stubs and Transformer coupled Stubs available at front panel connector
- Ten software programmable TTL I/O lines supporting up to 30V signaling with external reference

The AX-1553 module offers both transformer coupling and direct coupling to the data buses, and is also available in a 6U form factor, supporting up to 8 1553 data buses.

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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