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AIM AVI429

The AVI-429 is part of a new family of VME databus cards offering full function Test, Simulation, Monitoring and databus analyser functions for ARINC-429 applications

16 ARINC-429 channels are available on the AVI-429-16 and 32 ARINC-429 channels on the AVI-429-32, both outlined as a 6U VME standard module

Each channel can be programmed by software for Receive or Transmit mode

The use of powerful RISC processors means all channels can operate concurrently at ARINC-429 high or low bit rates with the intelligence to process data in real time

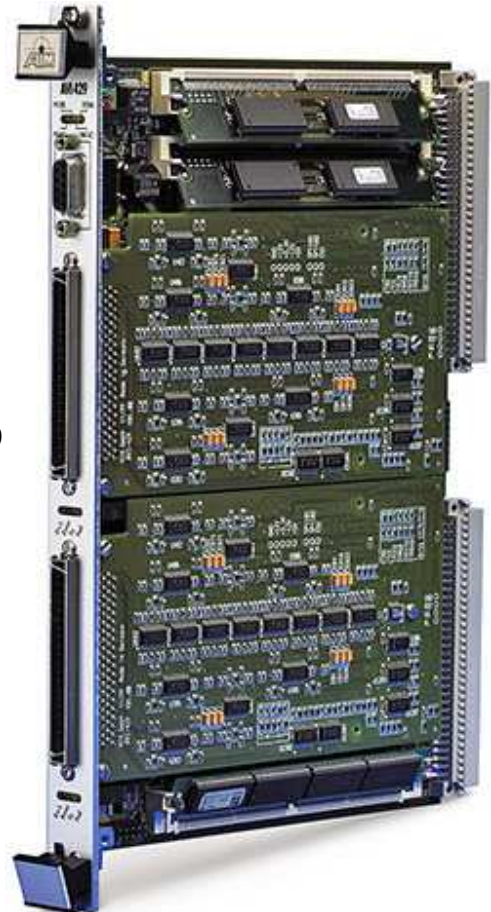
An on-board IRIG-B time decoder and generator allows users to accurately synchronise single or multiple AVI-429 VME modules to a common time source

The use of an Application Support Processor (ASP) executing the Driver Software allows user specific test routines to be processed on-board, significantly off-loading the host processor

This new concept allows users to implement system level functionality on a single interface card

The AVI-429 uses a 'Common Core' hardware design utilising multiple RISC processors

A Physical Bus Interface (PBI) daughter board provides line receivers and transmitters for each ARINC-429 channel





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