

Press

release



Fourth Generation ARINC429 Test & Simulation Card for Avionics Testing - Model APX429-x

AIM GmbH is proud to introduce its fourth generation, advanced PCI/ PCI-X compatible, APX429 card for analysing, simulating & monitoring multiple ARINC429 channels (up to 16) on a single 'Short Length' standard PCI module format. Most civil aircraft flying today, plus new aircraft & helicopter designs utilise ARINC429 as the interconnection for on board avionics, communications and entertainment systems. The APX429 is an ideal solution for users building PC based test equipment demanding maximum flexibility, performance & reliability.

Variants include 4, 8 or 16 channels versions all with software programmable ARINC429 channels for Rx or Tx operation. Additional versions APX429-8R4 and APX429-16R8 offer a mix of software programmable channels and dedicated receiver channels at a very attractive price. The APX429 integrates 8 General Purpose Discrete I/O's, which can be monitored or generated.

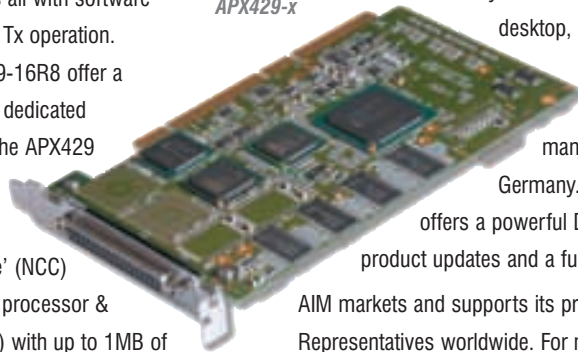
The APX429 uses AIM's 'New Common Core' (NCC) hardware design having one RISC (400MHz) processor & one Application Support Processor (400MHz) with up to 1MB of global RAM and 128MB ASP RAM. The on board sinusoidal IRIG-B

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time code generator/ decoder allow users to synchronise multiple boards on the system level to a common time source. This design allows all channels to operate concurrently at ARINC429 high or low bit rates with the intelligence to process data in real time with zero performance degradation.

Full function driver software is delivered with APX429 cards supporting WIN2000/XP, Linux and a LabVIEW/VI, LabWIN/CVI so customers can easily integrate the card into any host processor platform. The optional ARINC429, PAA-429/ ParaView Databus Analyser/ Visualiser Software (for Windows) plus the all new PBA.pro™ Databus Test & Analysis Tool (for Windows & Linux) can also be purchased for use with APX429 cards providing a complete 'Turn-key' solution with the APX429 card installed in a desktop, rack mount or industrial PC.

APX429-x



AIM has offices in the USA and the UK with the main design and manufacturing facilities based in Freiburg,

Germany. Our full service technical web site offers a powerful Download Area providing online product updates and a full documentation service.

AIM markets and supports its products through authorised Representatives worldwide. For more information please visit AIM's web site: www.AIM-ONLINE.com

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