

Welcome to the autumn edition of **AIMView Newsletter!**

Introduction

You may have noticed that we have updated the look and feel of AIMView which we trust better services our readers. We hope you will find this issue both interesting and inspiring

We have extended our family of generic carrier cards which now host PMC and XMC avionics interface cards, ready for installation into PCIe based host computing platforms. For VME users we also have re-designed our commercial grade PMC generic carrier card for that of conduction cooled, embedded applications.

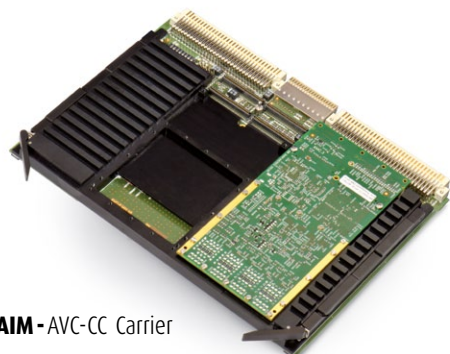
The Industry standard PBA.pro™ Databus Test & Analysis Tool, continues to be the software of choice for users needing a tool for basic databus test and analysis, right through to a complete avionics test bench. Some new PBA.pro™ features for our Fibre Channel and AFDX/ARINC664P7 user community are now available with the latest release.

Yet another first from AIM, is the ability to embed the PBA.pro™ (Linux based) directly into our growing family of ANET (Ethernet based) test and simulation boxes.

VME based Conduction Cooled Carrier Card for Embedded applications by Berthold Schweitzer

VME Cooled Carrier Cards!

Leveraging from AIM's field proven AVC-2 VME-Carrier Card for VME systems, we are pleased to announce a new conduction cooled variant designed in accordance with the IEEE 1101.2-1992 (2001) specification for conduction cooled environments. Commercially known as the AVC-2-CC, it is a single slot, double height (6U) with 0.8 pitch, VME64x, extended VMEbus module with two separate PMC slots fully compliant with the ANSI/VITA 20-2001(R2005).



AIM-AVC-CC Carrier



AIM - avionics testing for the future -Today

This gives our clients the unique ability to perform complex testing and simulation running right in the box interfacing with hardwired or wireless Ethernet based networks!

As we come closer to the end of yet another successful year at AIM, we wish to take this opportunity to thank all our customers and partners for their continued support and business. We trust you will find our new developments beneficial to take on more demanding needs and going well beyond your expectations.

Yours truly Douglas Ullah
Director of Sales & Marketing



Interface signalling of the two PMC-sites are available at the P0 and P2 connectors. The Conduction Cooling Assembly (CCA) includes Wedge Lock retainers, card ejectors and is designed to dissipate the heat from the hosted Mezzanine Cards to the surrounding chassis for cooling. The CCA is constructed out of a whole aluminium plate, the surface of which is black anodized. The module is specifically designed for harsh environments having an extended temperature range from -40°...+85°C. As a priced option, conformal coating is also available.

The AVC-2-CC has been designed fully Software compatible to the standard AVC-2 variant. No integration effort is required for customer application software already developed for the standard card. Used in conjunction with AIM's latest design AMCX1553-n-CC, AMCX429-n-CC and AMC-FDX-2-ES (conduction cooled versions) it is the ideal solution for embedded applications.

A VxWorks driver library is available to cover any mix of AIM conduction cooled interface modules. This generic VxWorks driver library is included in the module price. Essentially any 3rd party conduction cooled module which is compliant to the PMC slot standard maybe used on the AVC-2-CC.

In this issue:

VME based 'Conduction Cooled' Carrier Cards support Embedded Applications

New PMC/ XMC Carrier Cards now available for PCI Express

Intelligent Handling IP-Datagram Reassembly for AFDX/ARINC664P7 and Industrial Ethernet

AIM's Fibre Channel Modules now support the FC-AE-ASM upper layer protocol!

PBA.pro-LIGHT for AFDX/ARINC664P7 - a new shining star

Flexible Ethernet-enabled Avionics Bus Interfaces and Analysers using AIM's ANET products

...also in the News

Our Russian Partners!

AIM supported our partners EMT Trading in Moscow at this year's Aerospace Testing - October 2013.



AIM's New ARINC818 Website!

For a brief overview of the latest standard for Digital Video for Avionics applications visit www.arinc818.info



contact AIM: