

CommAgility announces FPGA processing AdvancedMC module with PCI Express interface

AMC-V5Fe provides flexible I/O and high processing power for industrial, scientific and telecoms applications

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Santa Clara, CA, USA – At the AdvancedTCA Summit Booth 510, CommAgility announced today the AMC-V5Fe, a mid-size Advanced Mezzanine Card that includes a high-speed PCI Express interface and a Xilinx® Virtex®-5 FPGA. The new module's combination of high processing power and flexible I/O makes it well-suited for many industrial, scientific and telecoms applications.

A 4x PCI Express interface and dual Gigabit Ethernet connections provide low latency connection to a wide range of MicroTCA systems and host CPUs.

High processing power is delivered by a Xilinx Virtex-5 LX110T FPGA. This configures and boots from FLASH on reset, using one of 4 selectable configuration images which are customer programmable and can be updated over Ethernet. The FPGA is fully customer configurable.

For maximum flexibility, a range of I/O is provided, including CPRI and OBSAI optical links for wireless radios, base stations under test or other optical data links such as SRIO. Advanced clock recovery and synchronisation options include GPS clock sync, avoiding the need for a separate card in the system.

Edward Young, managing director at CommAgility, said, "By adding PCI Express to our established series of high-performance signal processing modules, customers now have a solution with the right mix of high processing power and I/O that's required for a broad range of applications."

The module is available as a mid or full-size AMC depending on configuration. A mezzanine site allows selected customers to add custom I/O or processing to the board if required. A range of build options are available, and further customisation is possible in volume.

The module has been widely interoperability tested with other manufacturers' chassis, MCH and ATCA carriers.



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The AMC-V5Fe is available now. Extensive software and firmware library support enables OEMs to port application code quickly, reducing time to market.

Note to editors:

High resolution photos are available at www.commagility.com/press

About CommAgility:

CommAgility is a leading manufacturer of signal processing AMC modules for wireless baseband applications, combining flexible CPRI/OBSAI antenna interfaces, the latest TI DSPs and Xilinx FPGAs, and high bandwidth on and off-card communications using Serial RapidIO, PCI Express and Ethernet. Customers around the world use CommAgility products to develop high performance applications in both wireless and non-wireless spaces, and recent designs include test equipment, trial systems and base stations for a wide range of wireless standards especially WiMAX and LTE.

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