



Jane S. Donaldson, Annapolis Micro Systems, Inc., (410) 841-2514

[jdonald@annapmicro.com](mailto:jdonald@annapmicro.com), web: <http://www.annapmicro.com>

## **For Immediate Release**

### **Annapolis Micro Systems, Inc. Announces the Successful Incorporation of Xilinx's Newest Virtex 5 FXT FPGAs into the WILDSTAR 5 for PCI Express FPGA Based Processing Boards for Faster and More Powerful Processing**

Annapolis, Maryland - August 11, 2008 - Annapolis Micro Systems, Inc. (Annapolis), the leader in Commercial Off the Shelf (COTS) Field Programmable Gate Array (FPGA) Based High Performance Computing, announces the success of its WILDSTAR 5 for PCI-E Xilinx FPGA Based Processing Boards, using Xilinx's newest, biggest and highest pin count Virtex 5 FPGAs.

Now available with Xilinx XC5VLX110T, XC5VLX155T, XC5VLX220T, XC5VLX330T, and soon to be delivering XC5VFX100T, XC5VFX130T, XC5VFX200T or XC5SX240T, and with a choice of DDRII DRAM, DDRII SRAM, QDRII SRAM, SIO RLDRAM, CIO RLDRAM, the WILDSTAR 5 provides a proven high performance platform for the most difficult parallel processing algorithms, for military, research and commercial applications. But it takes more than powerful FPGAs to build a successful SIGINT, DSP or radar system. With up to 16 Rocket IO Lanes and up to 96 Differential Pairs providing easy and fast access to the one or two mezzanine I/O cards, and DMA across the PCI Express bus back to the host, Annapolis has the fastest, widest and most encompassing range of analog to digital,

digital to analog, and communication solutions. Take in data, process it, store it and redistribute it, all in real time, with no degradation or compression of information.

For over 14 years, Annapolis has been in the forefront of the quest to use Field Programmable Gate Arrays (FPGAs) as Processing Elements, to provide custom ASIC-like performance to solve highly parallel problems cost effectively in Commercial Off the Shelf (COTS) products. New mezzanine cards and on-board I/O carry forward the Annapolis WILDSTAR strategy of providing End to End Input, Processing and Storage options. This includes a continually expanding line of superior Analog to Digital, Digital to Analog and High Speed Communication Solutions.

The WILDSTAR 4 family provides faster performance, more processing power per slot, more efficient power and thermal management, and lower cost per performance. The family will include Industrial, Rugged and Conduction Cooled versions, and uses the latest more powerful backplanes, like PCI-X, PCI Express, VXS, and the IBM Blade Chassis. Very high speed data movement into, through and out of the system is supported with industry standard Infiniband, 10G Ethernet, Rocket I/O and Serial FPDP.

"Annapolis provides a Balanced Architecture", says Patrick Stover, Annapolis VP of Sales. "Up to 2.5 GSps Analog to Digital input, real-time processing on Xilinx's Virtex 4 & 5, and data flowing to storage RAID's or disks with up to 36 Gbit Full Duplex I/O. These types of options allow our customers to choose the exact components needed for their particular programs. The Balanced Architecture provides the foundation for many different applications."

Annapolis Micro Systems, Inc., known as The FPGA Performance Company, is a leader in COTS High Performance Processing. Annapolis provides the application developer with everything needed to fully use the power of FPGA processing to solve real time problems, with full bandwidth input and output.

Annapolis excels in providing easy to use and cost effective full system solutions to very demanding real-time data capture, processing and storage problems. The customer can develop his/her application using our CoreFire(tm) Development Suite, with its extensive IP & Board Support Libraries, or with VHDL. Some typical application areas are DSP, Radar, SIGINT, SW Radio, Image Processing, Encryption, and Data Mining.

Annapolis is famous for the high quality of its products and for its unparalleled dedication to ensuring that the customers' applications succeed. They offer training and exceptional custom application development support, as well as more conventional customer support.

In business since 1982, and delivering world class FPGA based solutions since 1994, Annapolis continues to ship both new products and earlier generations, to support on going projects. Annapolis carries a full line of VME, PCI, PMC and CardBus FPGA based COTS boards, with many different I/O options including Universal 3 Gbit (Rocket I/O, 10G Ethernet, Infiniband), Quad Fibre Channel 2, FPDP, Serial FPDP, Quad 16 bit A/D at 130/160/180 MSps, Single 8 bit A/D at 1.5, 2.2 and 5.0 GSps, Single 10 bit A/D at 1.5 and 2.0 GSps, Quad 16 bit 600 MSps DAC, Dual 12 bit 1.5, 2.3 and 4.0 GSps DAC and others.

For more information about the WILDSTAR 4 / 5 Family, the CoreFire Design Suite, or other Annapolis products, contact Pat Stover at (410)841-2518, patrick.stover@annapmicro.com. For European Sales and Support, contact Noah Donaldson in Stockholm at +46 708 453 203, noahd@annapmicro.com. For more information about Annapolis Micro Systems, Inc. contact Jane Donaldson at (410)841-2514, jdonald@annapmicro.com. Website is [www.annapmicro.com](http://www.annapmicro.com)

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