

**Annapolis Micro Systems**

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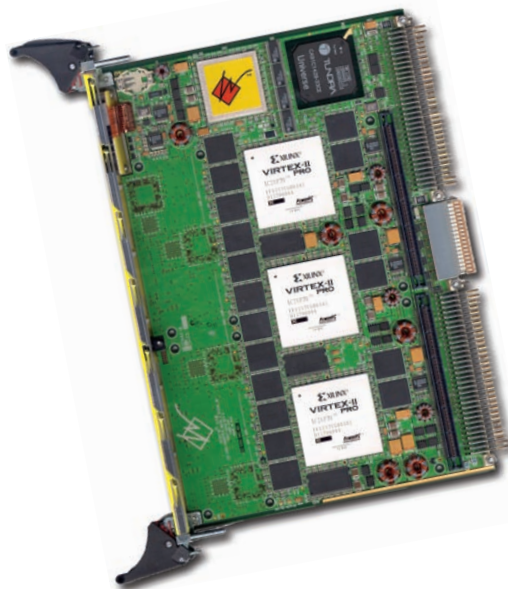
**WILDSTAR II Pro VME**

Annapolis Micro Systems is a world leader in high-performance, COTS FPGA-based processing for radar, sonar, SIGINT, ELINT, DSP, FFTs, communications, Software-Defined Radio, encryption, image processing, prototyping, text processing, and other processing intensive applications. Our ninth-generation WILDSTAR II Pro for VME uses Xilinx's newest Virtex-II Pro FPGAs for state-of-the-art performance. It accepts up to two I/O cards in one VME slot, including Dual 1.5 GHz A/D, Dual 1.5 GSps D/A, Quad 105 MHz, Universal 3 Gb (Rocket I/O, 10 GbE, InfiniBand), Quad FC2, Quad GbE, and LVDS. Our boards work on a number of operating systems, including Win NT, 2000, XT, Linux, Solaris, IRIX, ALTIX, and VxWorks.

We support our board products with a standardized set of drivers, APIs, and VHDL simulation models. Develop your application very quickly with our CoreFire™ FPGA Application Builder, which transforms the FPGA development process, making it possible for theoreticians to easily build and test their algorithms on the real hardware that will be used in the field. CoreFire, based on dataflow, automatically generates distributed control fabric between cores. Our extensive IP and board support libraries contain more than 1,000 cores, including floating point and the world's fastest FFT. CoreFire uses a graphical user interface for design entry, supports hardware-in-the-loop debugging, and provides proven reusable, high-performance IP modules.

WILDSTAR II Pro for VME, with its associated I/O cards, provides extremely high overall throughput and processing performance. The combination of our COTS hardware and CoreFire allows our customers to make massive improvements in processing speed, while achieving significant savings in size, weight, power, person-hours, dollars, and calendar time to deployment.

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

**FEATURES:**

- › One to three Virtex-II Pro Xilinx FPGA processing elements – XC2VP70 or XC2VP100
- › Up to 144 MB DDRII or QDRII SRAM
- › Up to 768 MB DDR SDRAM
- › Programmable flash for each processing element to store FPGA images
- › Works with VME64x backplane
- › High-speed multichannel DMA controller
- › Host software: Win NT, 2000, XP, Linux, VxWorks
- › Full CoreFire board support package for fast, easy application development
- › VHDL model, including source code for hardware interfaces and ChipScope access
- › Save time and effort and reduce risk with COTS boards and software
- › Achieve world-class performance – WILD solutions outperform the competition
- › Includes one-year hardware warranty, software updates, and customer support; training available