

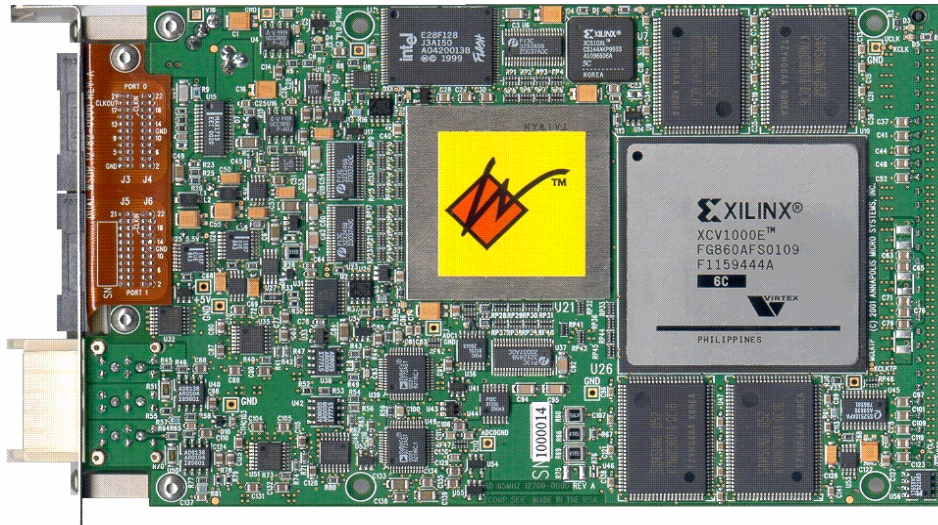
TM

Data Sheet
Doc # 12935-0000 Rev1.1

Annapolis Micro Systems, Inc.

105 MHz I/O Card

**Input Up to 105 MegaSamples/Second with
FFT Processing in Real Time**



Two 14-bit ADC Channels at 105 MHz and Two 14-bit DAC Channels at 150 MHz

The WILDSTAR™ 105 MHz A/D I/O card combines rapid analog-to-digital and digital-to-analog signal conversion with FPGA processing power and memory bandwidth. With a fully user programmable Virtex™ E FPGA, this I/O card enables customized signal filtering and processing before the data is passed to the main board. The 105 MHz I/O card is fully supported by the CoreFire™ Design Suite for accelerated application programming.

FEATURES

- 14 Bit A/D Conversion w/AD6645 at 105MHz
- 14 Bit D/A Conversion w/AD9772A at 150 MHz
- Full CoreFire™ Board Support Package, for Easy Application Programming
- Fully Programmable Virtex™ 1000E or 2000E FPGA
- 4, 8, or 16 MBytes ZBT SRAM in 4 Banks
- 6 Pin Harting Coax Connector
 - 105 MHz Max Input Sample Rate
 - External Trigger Input, LVTTTL, 50 Ohm
- VHDL Model Provided
- Optional Race™, Single Race++, and Dual Race++ I/F Across the VME P2 Backplane

BENEFITS

- Save Time To Market - Full CoreFire™ Support
- Highly Adaptive - User Programmable FPGAs
- Fast I/O Bandwidth to Main Board - 4.0 Gbytes/Sec
- Two WSDP™ I/O Ports - Multiple I/O Standards Including LVDS up to 1.2 GBytes/Sec per Port
- Main Board with I/O Card(s) Installed Occupies Only a Single VME or PCI Slot
- Board and FPGA Systems Speeds of Up To 150 MHz, Depending on Main Board
- OpAmp or Transformer Options for A/D and D/A
- Compatible with WILDSTAR™ VME, FIREBIRD™ and our Virtex™ II Main Boards



Annapolis Micro Systems, Inc.



Made in the USA

