

ROCKET SCIENCE AT ROCKET SPEED.



At 2 GHz, it's not just fast. It's simply brilliant!

Blast off with the new Model 6826 A/D board. It's fully loaded with dual 2 GHz 10-bit A/D converters, powerful FPGA resources, plenty of memory and fast interfaces—all ready to tackle your toughest high-speed wideband signal processing tasks.

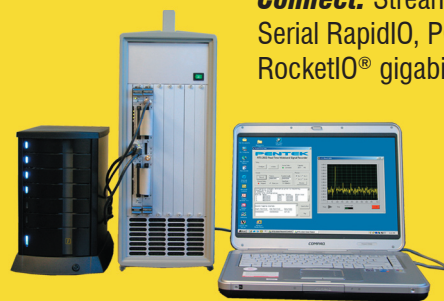
Capture. Digitize both continuous or burst signals and pulses with flexible clocking, gating and triggering resources plus advanced multiboard synchronization. Store real-time data in dual 512 MB DDR memory buffers.

Crunch. Process real-time data in the Xilinx XC2VP100 Virtex-II Pro FPGA with nearly 100,000 logic cells and 444 hardware multipliers—perfect for DSP algorithms.

Connect. Stream data through FPDP-II or VXS using Serial RapidIO, PCI Express, or Aurora and 3.125 Gbit/sec RocketIO® gigabit serial interfaces.

The 6826 is the latest VME addition to over 60 Pentek I/O products. From stand-alone VME/VXS, PMC/XMC, cPCI or PCI boards to application-ready solutions, Pentek offers you lifetime technical support and a priceless extra: the power to outrun, outsmart and out-process your competitors!

- Dual 10-bit 2 GHz A/D Converters
- Dual 4x Full-Duplex VXS Links
- Xilinx Virtex-II Pro XC2VP100 FPGA
- 1 GByte of DDR SDRAM
- FPDP-II, LVDS, VXS, Aurora®, Serial RapidIO, & PCI Express
- Multiboard Synchronization, Gating & Triggering
- ReadyFlow® Board Support C Libraries
- SystemFlow™ API & Libraries
- GateFlow® FPGA Design Resources
- Commercial, Rugged & Conduction-Cooled Versions



Also check out our RTS2503 Wideband Recording System.
Complete with SystemFlow API and Development Libraries!

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www.pentek.com/go/exesmart for Pentek's "Critical Techniques for High-Speed A/D Converters in Real-Time Systems" handbook and to request a full product catalog.

Pentek, Inc., One Park Way, Upper Saddle River, NJ 07458 Phone: 201.818.5900 Fax: 201.818.5904 e-mail: info@pentek.com www.pentek.com
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