To Keep Down Costs, PCI Board Delegates DSP Tasks

The MSP-JNI Media Gateway, a full-length PCI board with up to eight high-performance analog input channels, is intended for use in digital media enterprise servers. The board cuts cost by using its host for media processing, eliminating the need for on-board DSPs. It includes a 14-bit ADC and a 32-bit digital processor. The host DSP handles the software for each line and features a hybrid programmable system.

The MSP-JNI board is powered by eight TMS320C6203 DSP generation processors clocked at 400 MHz to achieve up to 28,000 MIPS. The board provides a scalable, real-time, high-performance DSP solution.

Ethernet JTAG Emulator

An Ethernet-based JTAG emulator, the Predator-560, works with the latest TMS DSP family of processors and features Real-Time Data Exchange capabilities. The emulator connects to Ethernet hub, allowing the processor to be programmed using nonintrusive debugging and event sequencing.

Voice Processing Boards Address Network Congruence

The PVR672 is a CompactPCI blade that adds physical PSTN, IP, and ATM connections, including IPCoG, 2.1 footwear connection, and media gateway functionality. The companion PVR676 is the FT35-C4 for carrier-grade conferencing systems with all of the features of the PVR672.

DSP Boards Come in CompactPCI and PMC Form Factors

The Condor CompactPCI DSP board connects to a DSP processor and a real-time signal processing software to improve the speech quality in telecom systems, intercoms, and telephones. The board includes a variety of features such as low-cost board, voice activity detection, and a proprietary algorithm.

Module Marries 64-bit DSP with Million-Gate FPGA

The SMT361 module marries a 400-MHz TMS320C6414 64-bit DSP processor and a million-gate XC2V1000 Virtex-II FPGA. The module is designed to provide a high-performance solution for voice processing applications.
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