



The PCI-FPGA series of boards provide versatility, ease of operation, and, most importantly, extremely high processing capacity achieved through dual Virtex II FPGAs in conjunction with the independent PCI interface.

The small board (in a mother/daughter configuration) can act as a stand-alone processor plugged into any standard PCI based motherboard, or it can act as a daughter card to other systems with the PCI interface.

The board provides 2 x 12 bit ADCs and 2 x 12 bit DACs connected directly to the FPGAs, enabling a variety of analog signal capture and analog signal generation. The cards can be driven with clocks up to 80 MHz.

The clock is generated in the board and can be synchronized with external 10 MHz. Software support of the board is provided through PCI drivers. Optional IP cores for various signal analysis and signal generation are available.

These boards are used in numerous applications ranging from general purpose processing, signal analysis, signal generation, software radio, radar, navigation, communication, medical electronics, sonar, audio systems, and so-on.

PROCESSING BOARD: FPGA

FEATURES

- Stand-alone and pluggable FPGA board
- 2 x 2 M, 4 M, and 8 M gate Virtex II FPGAs
- PCI Interface
- 2 x 12 bit ADCs
- 2 x 12 bit DACs
- On-board clock 80 MHz, External Synchronization
- Board Dimension: 7" x 4.5"
- Power Requirements:
- PCI driver provided
- Several signal processing and signal generation cores available

APPLICATIONS

- General Purpose Processing
- Signal Analysis
- Signal Generation
- Software Radio
- Radar
- Navigation
- Communication
- Medical Electronics
- Sonar
- Audio Systems