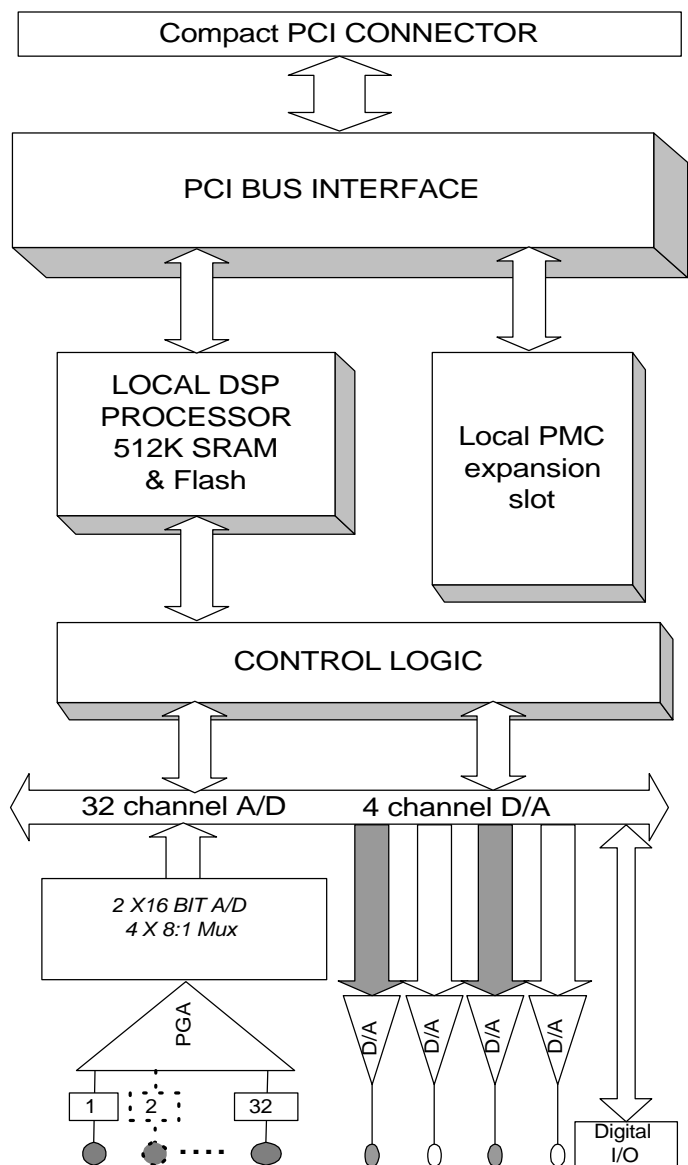


CompactPCI™ Intelligent Multi Function I/O 16 bit ADC & DAC with ttl I/O & PMC expansion

Compact PCI-MFIO FUNCTIONAL BLOCK DIAGRAM



FEATURE SUMMARY

- 32 single ended or 16 differential channels
- 16 bit A/D, 200KSPS through put, (2) BB 7805
- Quad channel Digital to Analog, (4) DAC712
- 16 bi-directional TTL I/O with counter / timer
- AMCC PCI interface
- TMS320C31 DSP processor
- 512K byte of zero wait state SRAM
- 4 Mbit flash memory
- Programmable Gain Amplifier with channel buffer- 1, 2, 4, 8 or optional 1, 10, 100, 1000.
- Local PMC expansion slot for additional I/O
- DMA transfers to and from the CPCI bus
- Application firmware can be downloaded over the CPCI bus to the local memory
- Analog input +/- 10v with over-voltage protection
- Front and rear panel I/O, 6U form factor
- Window NT support is standard
- Optional external power source for reduced noise

OVERVIEW

The CPCI-MFIO-6U is a 6U CompactPCI multi-function I/O board. The CPCI-MFIO-6U offers 32 channels of 16 bit A/D, four 16 bit D/A, 16 digital I/O, counter / timers, and one PMC expansion slot for additional I/O. There is a local 60 Mhz TMS320C31 DSP processor to supervise all the I/O activity. The DSP can be programmed by the end user to execute application specific code. The CPCI-MFIO-6U is ideally suited for factory automation, automatic test equipment, test & measurement, and control systems.

ORDERING INFORMATION

p/n: CPCI-MFIO-6U Intelligent A/D & D/A, w/ PMC
 TB-50 50 pin terminal block w/ cable
 CBL-SCSI-50 50 pin scsi cable only

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6202 South Maple Ave., Suite 120 Tempe, Arizona 85283

PHONE (480) 838-2428 FAX (480) 838-4477 www.alphitech.com

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