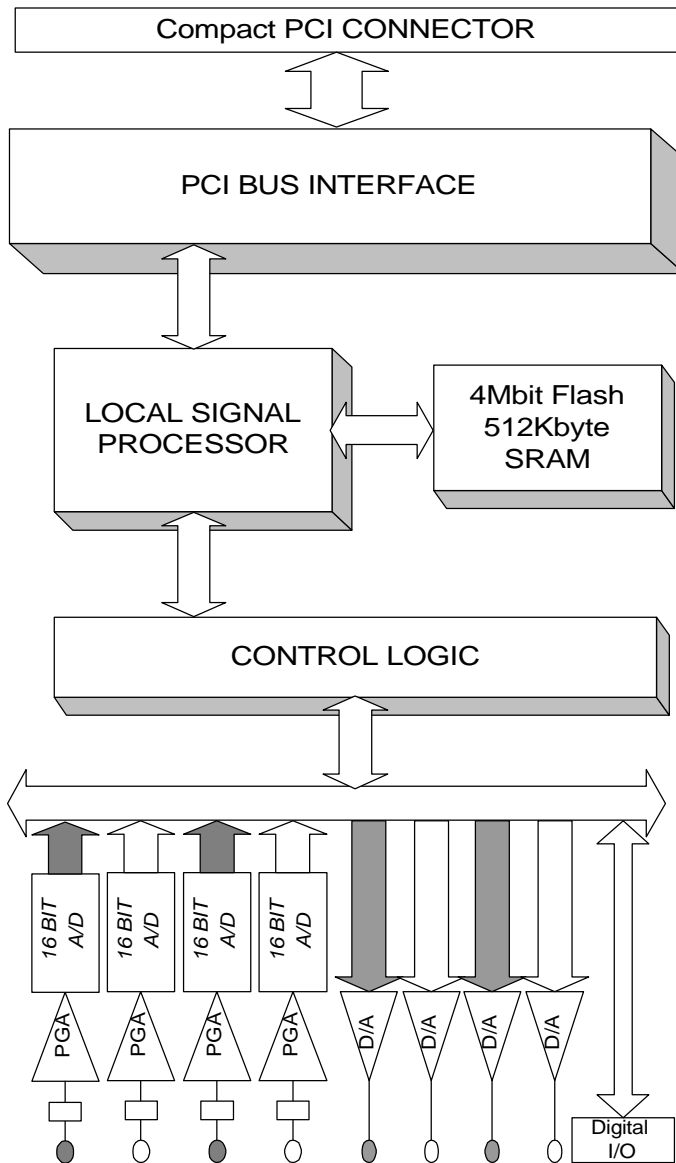


CompactPCI™ Intelligent Analog I/O 16 bit ADC & DAC with digital I/O

Compact PCI-ADDA FUNCTIONAL BLOCK DIAGRAM



FEATURE SUMMARY

- Quad channel ADC, DAC & 16 Digital I/O
- TMS320C31 DSP processor
- 512K byte of zero wait state SRAM
- Quad 16 bit A/D Analog to Digital converter
- +/-10 volt single ended or differential analog input
- Quad 16 bit D/A Digital to Analog converter
- External or internal Scan clock
- External or internal Trigger clock
- Sixteen TTL Digital Inputs & Digital Outputs
- Stand alone mode for embedded applications
- Analog input +/- 10v with over-voltage protection
- Optional external power source for reduced noise

OVERVIEW

The CPCI-ADDA module offers a complete solution for high performance data acquisition applications. Both the ADC's and the DAC's use 10 μ S converters that will support up to 100kHz signals. The CPCI-ADDA supports P.I.D. loop closure frame rates of up to 4 KHz per channel. The CPCI host can download gain and setpoint changes on the fly. The CPCI host can read back the current values for feedback, error, setpoint and output drive on each channel. The local DSP processor can be used for data processing such as digital filters and FFT's. The DSP can also be used as a waveform generator to drive the 16 bit DAC.

ORDERING INFORMATION

p/n:	CPCI-ADDA	Intelligent A/D & D/A, 16 bit
	TB-50	50 pin terminal block w/ cable
	CBL-SCSI-50	50 pin scsi cable only

© Copyright 1996 by ALPHI TECHNOLOGY
6202 South Maple Ave., Suite 120 Tempe, Arizona 85283
PHONE (480) 838-2428 FAX (480) 838-4477 www.alphitech.com

