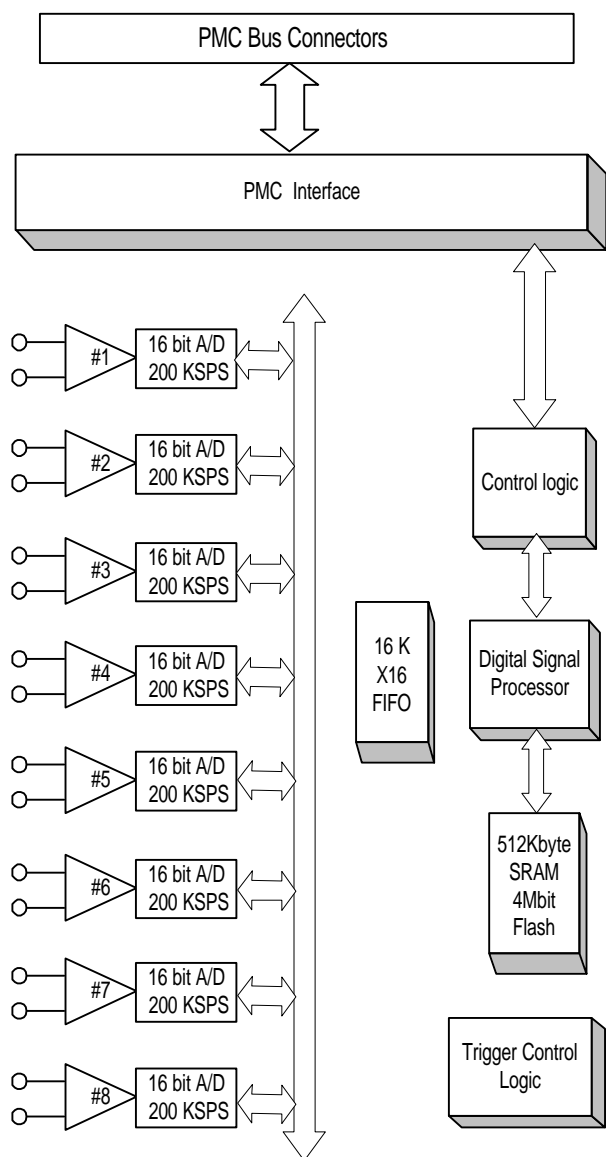


PMC High Performance Data Acquisition DSP, Octal 200 KSPS per channel, 16 bit A/D

Compact PCI - AD8

FUNCTIONAL BLOCK DIAGRAM



FEATURE SUMMARY

- Octal 16 bit channels, 200 KSPS ADC's
- 60Mhz TMS320C32 DSP processor
- 512K byte of zero wait state SRAM
- Differential input
- 16 K X 16 FIFO
- External or Internal, PXI Triggers, Gates
- Local processor supervises acquisition
- High speed DMA transfers to and from the PMC bus
- Application firmware can be downloaded over the bus
- Instrumentation amplifier per channel
- Programmable gain 1, 2, 4, 8 standard
- Over-voltage protection
- External power supply input option
- PXI Support

OVERVIEW

The PMC-AD8 module provides a high performance data acquisition subsystem. There are (8) eight 200 KSPS ADC's for maximum performance. The Local DSP can be used to simply move data samples to the PMCBus or can provide processing functions such as limit checking, FFT's, digital filtering, etc. Software can be downloaded to the DSP via the PMC interface. Instrumentation amplifiers provide over-voltage protection and gain on a per channel basis. The PMC-AD8 can also accept external scan and trigger signals from a front panel connector.

ORDERING INFORMATION

p/n:	PMC-AD8	Intelligent 16 bit data acquisition
	opt.-200	Fast 200 KSPS
	TB-50	50 pin terminal block w/ cable
	CBL-SCSI-50	50 pin scsi to 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

