



# Artisan Scientific

QUALITY INSTRUMENTATION ... GUARANTEED

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- Price Quotations
- Drivers
- Technical Specifications, Manuals and Documentation

## Artisan Scientific is Your Source for Quality New and Certified-Used/Pre-owned Equipment

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- Equipment Demos
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### Service Center Repairs

Experienced Engineers and Technicians on staff in our State-of-the-art Full-Service In-House Service Center Facility

### InstraView™ Remote Inspection

Remotely inspect equipment before purchasing with our Innovative InstraView™ website at <http://www.instraview.com>

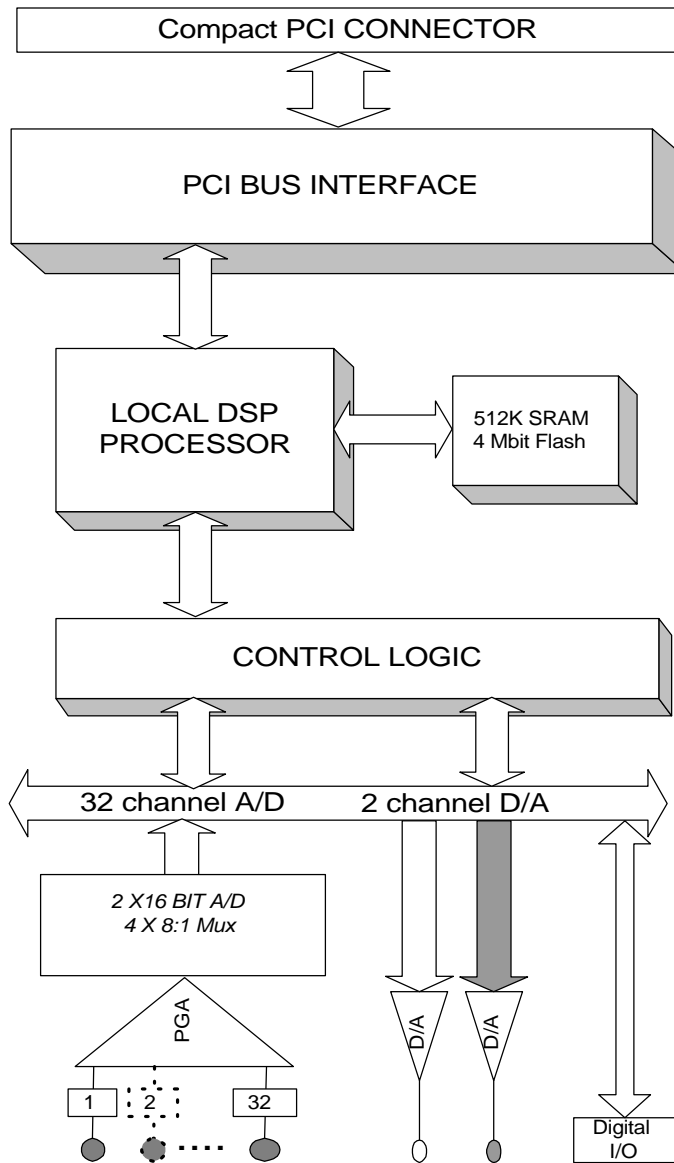
### We buy used equipment! We also offer credit for Buy-Backs and Trade-Ins

Sell your excess, underutilized, and idle used equipment. Contact one of our Customer Service Representatives today!

Talk to a live person: 888-88-SOURCE (888-887-6872) | Contact us by email: [sales@artisan-scientific.com](mailto:sales@artisan-scientific.com) | Visit our website: <http://www.artisan-scientific.com>

## CompactPCI™ Intelligent Data Acquisition 16 bit ADC & DAC and TTL I/O

### Compact PCI-AD32 FUNCTIONAL BLOCK DIAGRAM



### FEATURE SUMMARY

- 32 single ended channels, or 16 differential channels, 16 bit A/D, 200KSPS through put
- Two channel 16 bit Digital to Analog
- 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.
- 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 panel I/O
- 3U form factor
- Window NT support is standard
- Optional external power source for reduced noise

### OVERVIEW

The CPCI-AD32 is a 3U CompactPCI multi-function I/O board. The CPCI-AD32 offers 32 channels of 16 bit A/D, two 16 bit D/A, 16 digital I/O, counter / timers. 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-AD32 is ideally suited for factory automation, automatic test equipment, test & measurement, and control systems.

### ORDERING INFORMATION

p/n:	CPCI-AD32	Multifunction A/D, D/A & TTL
	CPCI-AD32-2	w/ 1,10,100,1000
	TB-80	80 pin terminal block w/ cable
	CBL-SCSI-80	80 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](http://www.alphitech.com)





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