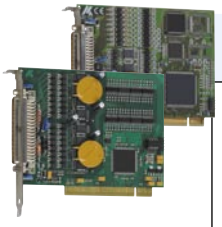
Digital I/O boards, relay boards



	Digital input, 24 V		Digital I/O, 24 V				Digital output, 24 V		Digital I/O, TTL	Relay board
	APCI-1016	APCI-1032 APCI-1032-5	APCI-1564 APCI-1564-5	APCI-1564-3,3	APCI-1500 CPCI-1500	APCI-1516	APCI-2016	APCI-2032 APCI-2032-5	APCI-1648 APCI-1696	APCI-2200
PCI bus 32-bit	5 V	5 V	5 V	3.3 V	PCI 5 V / CPCI	5 V	5 V	5 V	3.3 V / 5 V	5 V
Filters and protection circuitry	✓	✓	✓		✓	✓	✓	✓	✓	✓
Input channels	16	32	32		16	8				
Optical isolation 1000 V	✓	✓	✓		✓	✓				
Interruptible input channels		16	16		14					
Nominal voltage(V) DC (V)	24 (19-30)	24 (19-26) 5 V	24 (19-30) 5 V		24 (19-30)	24 (19-30)				
Input current at 24 VDC	6 mA	5 mA	5 mA		6 mA	6 mA				
Output channels (high side drivers 24 V)			32		16	8	16	32	48/96 TTL	
Relays										8/16 relays
Optical isolation 1000 V			✓		✓	✓	✓	✓		✓
Nominal voltage(V)			24 DC (10-36)		24 DC (10-36)	24 DC (10-36)	24 DC (10-36)	24 DC (10-36)	TTL	60 DC 48 AC
Output current (A) for one channel			0.5(1)		0.5(1)	0.5(1)	0.5(2)	0.5(2)	12 LS TTL loads	1
Functions										
Watchdog (depth)			✓ 8-bit		✓ 16-bit	✓ 8-bit	✓ 8-bit	✓ 8-bit		✓ 8-bit
Timer / counter (depth)			1/3 32-bit		3/- 16-bit					
Page	16	16	17		APCI-1500: 17 CPCI-1500: 31	16	18	18	18	19
Software	Drivers for Windows XP/2000/NT/98, Linux; LabVIEW™, LabWindows CVI™ + Samples. Current driver list on the web : **www.addi-data.com**									

(1) Limited to 3 A for all input channels, self-resetting fuse against short circuits
(2) Limited to 2 x 3 A, for all output channels, self-resetting fuse against short circuits

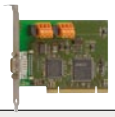
PC Measurement - digital, counter, watchdog - Motion Control

for the PCI and PC-104Plus bus

Counter

	Multifunction counter boards
	APCI-1710 / CPCI-1710
Bus 32-bit	PCI 5 V / CompactPCI 5 V
Filters/Protection circuitry	✓
Isolation 1000 V	✓
Number of function modules	4 function modules with numerous functions, quickly and easily programmable: Each of the 4 function modules is programmed with one function. You can program 4 times the same function or freely combine 4 different functions.
Available functions for each module:	1 x 32-bit incremental encoder acquisition 2 x 16-bit incremental encoder acquisition 3 x acquisition of absolute value encoder/SSI 3 x counter/timer 1 x chronos/TOR for frequency measurement 4 x pulse width measurement 1 x chronos for pulse width measurement 1 x chronos for period duration measurement 2 x TOR for velocity measurement 8 x digital I/O, 24 V, TTL, RS422 2 x PWM (Pulse Width Modulation) 24x TTL I/O only possible on one module NEW 1 x SSI-Monitor NEW 1 x BiSS-Master 2 x ETM (Edge Time Measurement) Other functions on request
Page	APCI-1710 page 20 CPCI-1710 page 32

Watchdog



	Watchdog
	APCI-035
Bus 32-bit	5 V/3.3 V
Isolation 500 V	✓
Watchdog/timer	4
Diagnostic	• Status of the 4 watchdogs readable • Watchdog 1 can switch 2 relays • 1 digital input as watchdog trigger • timer gate
Time base	µs, ms, s, min
Relays	2 with change-over contacts
Digital input, 24 V	1 trigger channel / gate input
Alarm levels	2
Real range of application	0-60 °C
Applications	• Supervision of PC-controlled processes • Time measurement • Temperature monitoring • Timer-controlled sofware applications
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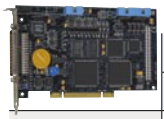
Motion Control



	Motion Control
	APCI-8001
Bus 32/64-bit	PCI 3.3 V or 5 V/CompactPCI 5 V
Optical isolation	✓
Function	Motion control for 3 servo or stepping motors, can be extended to up to 8 axes
Interpolation	2D .. 3D linear, 2D circular, 3D circular, 3D helical, spline, asynchronous and synchronous interpolation with secondary axes
Processor	150 MHz
RAM	16 MB
Digital I/O	16 inputs, 24 V, optically isolated 8 outputs, 24 V, optically isolated
Analog I/O	optional
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NEW

	Digital I/O board for PC/104-Plus
	PC104-PLUS1500
Bus	PC104-Plus
Functions	• 16 digital inputs, 24 V, incl. 2 interruptible inputs, 16 digital outputs, 24 V, 150 mA/channel • Optical isolation 1000 V • Input and output filter • Watchdog, timer • Resets the outputs to "0" at Power-On
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EMBEDDED-PC PC/104-PLUS MODULES

www.addi-data.com