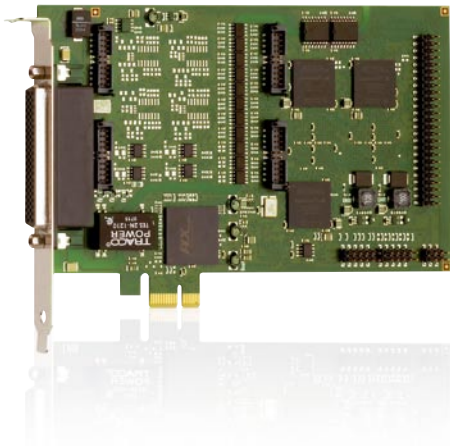


PCI EXPRESS BOARDS



PCI
EXPRESS®

YOUR BENEFITS

PCI Express bus

- Low power demand
- Higher data transmission rates

ADDI-DATA boards

- Numerous protective circuits
- Long-term product availability
- Driver compatibility of the ADDI-DATA PCI boards and PCI Express boards
- Drivers for Linux, Windows, ...

Efficient and robust

For the computers of the new generation - PCI Express - ADDI-DATA offers a large range of interference-free PCI Express boards which have been especially developed for use in harsh industrial environment.

The PCI Express boards of the APCL-xxxx series are equipped with numerous protective circuits such as filters, optical isolation, overvoltage or short-circuit protection, etc. They stand for reliable and smooth operating, especially in case of interferences such as voltage peaks or high currents.

With the PCI Express boards by ADDI-DATA, you can rely on products which can be supplied over years. For a safe investment.

Functions

Digital boards, 24 V / 12 V

Digital inputs
Digital outputs
Digital I/O
Relay output

Counter

Multifunction counter boards with FPGA

Analog boards

Analog inputs, 16-bit
Analog outputs, 16-bit

Serial interfaces

1- to 8-port serial interfaces, RS232, RS422, RS485, 20 mA CL

Watchdog

Watchdog boards, 7 watchdogs/timers

From PCI to PCI-Express

Does your application run with ADDI-DATA PCI boards and do you wish to change to PCI Express? In regard to functionality, our PCI Express successors are compatible with the PCI boards.

In addition, you benefit from new technology and efficient new components which the PCI Express boards feature.

You will find more information about compatibility on our website at www.addi-data.com, category "Downloads".

HIGH PROTECTION

- Optical isolation from 500 V to 1000 V
- Separation of analog and digital signals
- Protection against short-circuits, overtemperature, overvoltage
- Filters for the inputs and outputs
- Industry-standard D-Sub connectors



READY FOR
HARSH INDUSTRIAL
ENVIRONMENT



New!

New!

New!

New!

	Digital				Counter	Analog			Watchdog	Serial Interfaces*	
	APC1e-1532	APC1e-1532-12V	APC1e-1516	APC1e-1564	APC1e-2200	APC1e-1711	APC1e-3121	APC1e-3021	APC1e-3521	APC1e-040	APC1e-7xxx
PCI Express bus	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Filter and protective circuits	✓		✓	✓	✓	✓	✓	✓		✓	✓
Optical isolation	1000 V		1000 V	1000 V	1000 V	1000 V	500 V	500 V	500 V	1000 V	optional
Digital, 24 V											
Input channels, incl. interruptible	16 15		8	32 16	16/8 15/7		4 1	4 1	4 1	8	
24 V / 12 V	24 V	12 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V	
Output channels, 24 V	16		8	16			4	4	4		
Output current per channel	500 mA (typ.)		500 mA (typ.)	500 mA (typ.)	Relays 2A		65 mA (typ.)	65 mA (typ.)	65 mA (typ.)	Relay 2 A	
Relays					16					8	
Watchdog / Timer / Counter	2x12-bit timer, incl. 1 which can be used as watchdog		Watchdog	1 x Watchdog/Timer, 1 x 12-bit timer 3 x counters	Watchdog Timer		2x12-bit timers, incl. 1 which can be used as watchdog	1 x 16-bit timer,	2x12-bit timers, incl. 1 which can be used as watchdog	7 watchdogs/timers	
Reprogrammable function modules											
– Incremental counter, – SSI synchronous serial interface, – Counter/timer, – Pulse acquisition, – Frequency, pulse width, period duration measurement, PWM – dig. inputs and outputs – BiSS-A/B, BiSS-C – Parallel interface – ...						4					
Input frequency						Up to 5 MHz New: 10 MHz					
Signals						TTL, RS422, 24 V					
Analog											
Analog inputs, 16-bit							16 SE / 8 diff.	16 SE / 8 diff.			
Throughput (kHz)							100	100			
Voltage range							0-10 V ± 10 V	0-10 V ± 10 V			
Current inputs (option)							0(4)-20 mA	0(4)-20 mA			
Gain 1, 2, 5, 10							1, 2, 5, 10	1, 2, 5, 10			
Trigger (software or 24 V)							✓	✓			
Analog outputs, 16-bit							8 or 4		8 or 4		
0-10 V / ± 10 V							✓		✓		
Current outputs							0-20 mA		0-20 mA		
Serial interfaces (base boards)											1 port / 2 ports 4 ports / 8 ports
Operating modes configuration through MX modules											RS232, RS422, RS485, RS485, 20 mA CL
Software	Current driver list on the web: www.addi-data.com										
Page	70		72	74	76	78	82	84	86	88	90

*Base Boards