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APCI-3501

The **PCI analog output board APCI-3501** has **8/4 analog outputs**, 14-bit, and **4 digital I/O**, 24 V. The board is especially suited for applications in the sector of industrial process control, measurement technology and monitoring, for example for multichannel data acquisition, for the control of chemical processes, for sensor data acquisition, as programmable voltage source etc. in the harsh industrial environment.

Category: PC board Analog outputs

DESCRIPTION | ACCESSORIES | DOWNLOADS | APPLICATIONS

DESCRIPTION

Features

- 8 or 4 analog outputs
- Optical isolation 500 V
- Setup time 30 µs typ
- 14-bit resolution (13-bit for 0-10 V)
- Output voltage: ±10 V, 0-10 V (switchable through software)
- Output voltage after reset: 0 V
- Each output has its own ground line (without optical isolation from each other)
- Driver capacity: 5 mA/500 pF
- Short-circuit protection, EMI filters
- Noise neutralisation of the PC supply
- Creeping distance IEC 61010-1
- Watchdog for resetting the analog outputs (4 different time bases: µs, ms, s, min) or as 12-bit timer (with interrupt possibility), when the watchdog function is not necessary.

Digital

- 2 digital inputs, 24 V, optically isolated
- 2 digital outputs, 24 V, optically isolated

Applications

- Industrial process control
- Industrial measurement and monitoring

- Control of chemical processes
- Factory automation
- Laboratory equipment
- Programmable voltage source
- Instrumentation

Software

Calibration tool (Option CAL3120): Do the fine adjustment fast and reliably and save the generated calibration report file. All you need is a highly precise calibration source and a precise digital multimeter (not included in the delivery content)

Standard drivers for:

- Linux
- 32-bit drivers for Windows 8 / 7 / Vista / XP / 2000
- Signed 64-bit drivers for Windows 8 / 7 / XP
- Real-time use with Linux and Windows on request

Drivers and samples for the following compilers and software packages:

- .NET
- Microsoft VC++ • Borland C++
- Visual Basic • Delphi
- LabVIEW • LabWindows/CVI

ADDIPACK functions

- Analog output • Digital input • Digital output
- Timer • Watchdog

On request:

Further operating systems, compilers and samples. Driver download: www.addi-data.com/downloads

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