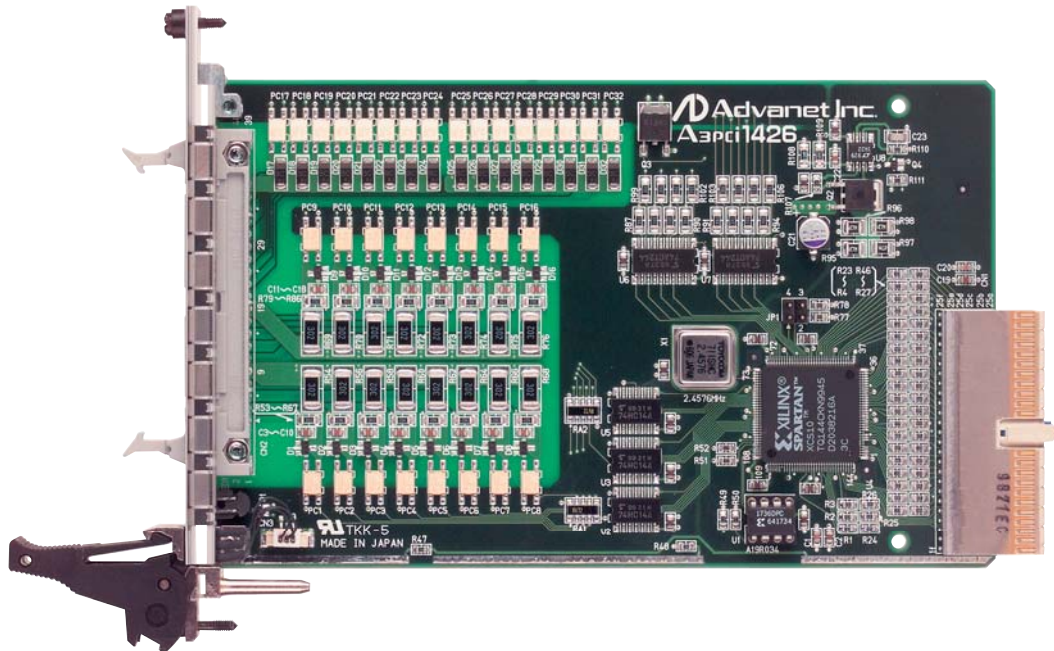


# A3pci1426

## 16ch Digital I/O Board



### Features

- 3U size CompactPCI digital I/O board
- 16 digital input points, 16 digital output points
- Photo-coupler isolated I/O
- DC12 to 24V I/O interface voltage
- Interrupt can be issued from all 16 input points
- Interrupt can be issued on the rising or falling edge
- Built-in digital filter for input (prevents pulse noise)
- Time constant of the digital filter is programmable using software
- Full HotSwap capability
- Sample program support for VxWorks
- Device driver support for Windows NT and 2000
- Device driver support for VxWorks (paid option)

### Models

- A3pci1426-VX-X86: 3U size (standard)
- A3pci1426-6U: With 6U front panel option
- A3pci1426: Device driver for VxWorks (for x86)

### Specifications

#### Input

- Number of points : 16 points (common: 2 independent inputs for every 8 points)
- Isolation method : Photo-coupler isolation (anode common)
- Input resistance : Approx. 3k $\Omega$
- Applied voltage : DC12V to 24V
- Withstanding voltage : AC1500V for one minute
- Protection circuitry : Diode for protection against reverse voltage application

#### Output

- Number of points :16 points (common2 independent outputs for every 8 points)
- Isolation method : Photo-coupler isolation open coupler output (emitter common)
- Rated applied voltage : DC12V to 24V
- Absolute maximum applied voltage : DC50V
- Maximum load current : 50mA
- Output saturation voltage : 1.2V (typ.)
- Withstanding voltage : AC1500V for one minute
- Protection circuitry : Diode for protection against reverse voltage application

#### Bus interface

- Bus : 33MHz CompactPCI bus
- Data bus : width 32-bit
- Space required : Contiguous 32Bytes in PCI I/O space
- Interrupt line : INTA
- Power requirements : 5V $\pm$ 5% (received from bus), Typ. 0.3A

#### Board size

- 160mm x 100mm x 20mm (excluding protrusions)
- Interface connector (MIL-type 40-pin header connector)

#### Operating environment

- Operating temperature range : 0 to 60°C
- Storage temperature range : -20 to 70°C
- Operating humidity range : 35 to 80% RH (non-condensing)
- Storage humidity range : 10 to 90% RH (non-condensing)



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Note: The following specifications and product appearance are subject to change for enhancement without notice.



**ISO9001**

Certification: No.4016-1995-AQ-KOB-Rv4

**ISO14001**

Certification: No. EMSC-1426

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