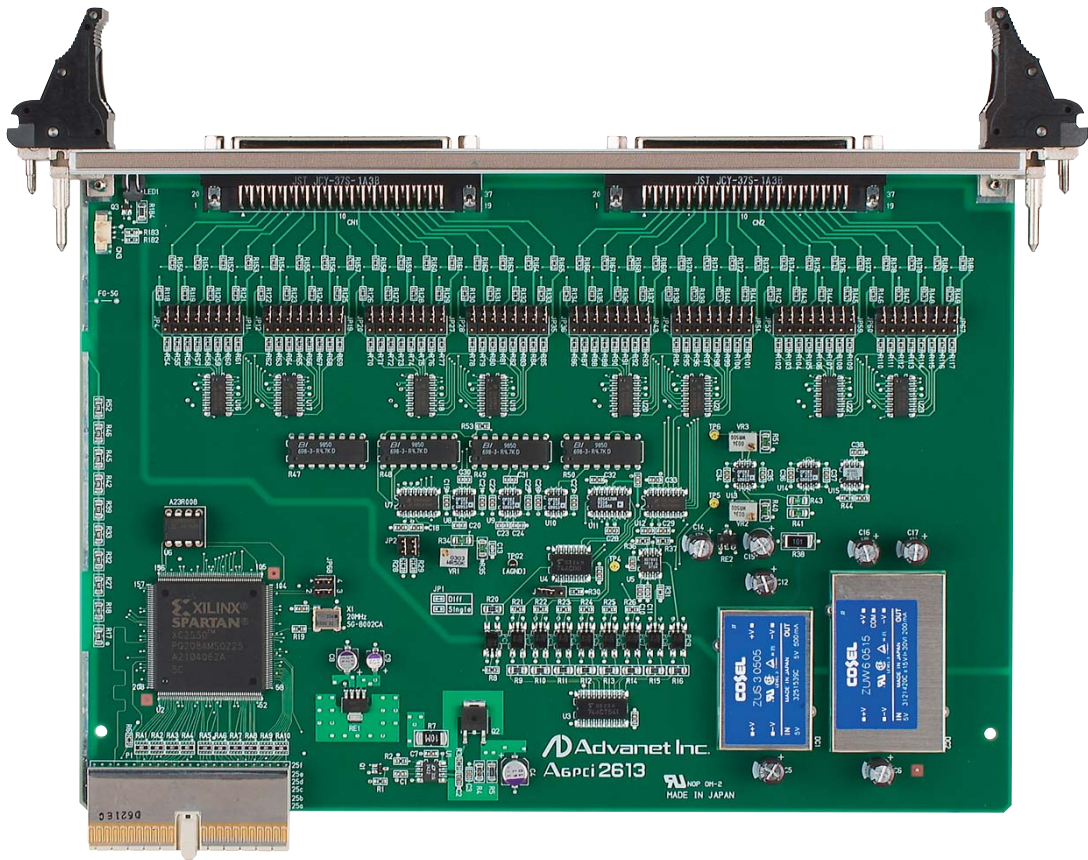


# A6pci2613A

## Isolated 64-ch A/D Board



### Features

- 6U (double height), single slot width CompactPCI bus analog input board
- Equipped with a 12-bit resolution A/D converter
- 64-channel single-ended and 32-channel differential input
- Input voltage range can be set to  $\pm 10V$ , 0 to 10V, 0 to 5V or 1 to 5V for all channels at once
- 0 to 20mA or 4 to 20mA current mode can be set by jumper
- Analog input and digital system isolated by photo-coupler
- Interrupt can be issued to the CPU after completion of A/D conversion
- All channels can be scanned automatically using a software trigger
- Built-in pacer clock allows continuous scanning at a constant frequency for processing
- Built-in 512-word FIFO enables the storage of eight batches of data for single-ended (64-channel) input
- Full HotSwap support

### Specifications

- Analog output**
  - No. of channels : 64 single-ended channels or 32 differential channels
  - Input voltage range :  $\pm 10V$ , 0 to 10V, 0 to 5V, 1 to 5A
  - Isolation method : Photo-coupler isolation (no isolation between channels)
  - Withstanding voltage : AC500V for one minute
  - Protection circuitry : Overvoltage protection circuitry
- A/D conversion**
  - Resolution : 12-bit
  - Overall accuracy :  $\pm 0.2\%$
  - Conversion time : 30 $\mu$ sec per channel
  - A/D converter : AD7893AR-10(Analog-Devices original)
- Bus interface**
  - PCI Local Bus Specification Rev.2.2 compliant
  - PICMG 2.0 R3.0 CompactPCI Specification compliant
  - PICMG 2.1 R1.0 CompactPCI Hot Swap Specification
- Power requirements**
  - DC5V/3.3V $\pm 5\%$  (supplied by C-PCI bus)
- Board size**
  - 6U single slot width
- Connector**
  - 37-pin Dsub connector (female)



HUMAN ELECTRONICS

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

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**ISO9001**  
 Certification: No.4016-1995-AQ-KOB-RvA

**ISO14001**  
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