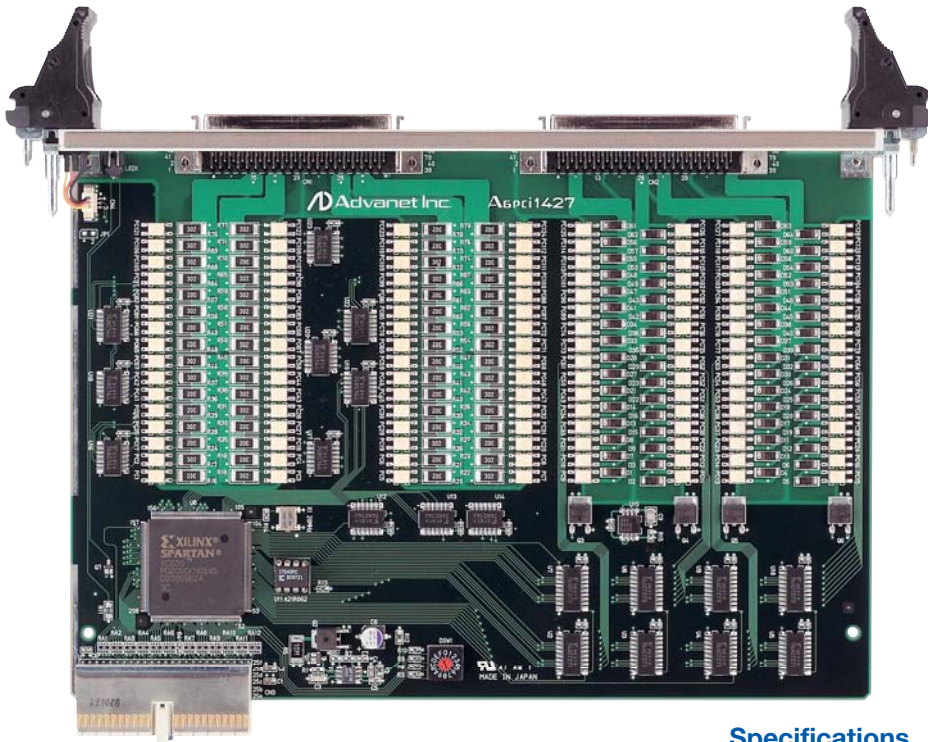


Abpci1427

64ch Digital I/O Board



Features

- 6U size CompactPCI board that supports full HotSwap and provides digital I/O functions for DC12 to 24V
- The 64 input and 64 output channels are all photo-coupler isolated for improved noise resistance
- 8 input channels can be used for interrupt requests to the CPU, and either the on-off transition or off-on transition of digital input can be set as the interrupt trigger for each channel
- Built-in digital filter for input prevents malfunctions due to chattering
- Time constant of the digital filter is programmable using software and can be set for every 16 channels

Specifications

Input

- No. of channels : 64 channels (common for every 8 channels x 8)
- Isolation method : Photo-coupler isolation (anode common)
- Input resistance : Approx. 3k Ω
- Applied voltage : DC12V to 24V
- Input current : Approx. 7.6mA (for DC24V application)
- Withstanding voltage : AC1500V for one minute
- Protection circuitry : Diode for protection against reverse voltage application
- Turn-on time : Typ. 3.4 μ sec.
- Turn-off time : 36 μ sec typ. 16 points
(common: 2 independent inputs for every 8 points)

Output

- No. of channels : 64 channels (common for every 8 channels x 8)
- Protection circuitry Diode for protection against reverse voltage application
- Isolation method : Photo-coupler isolation open collector 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
- Turn-on time : 1.7 μ sec typ.
- Turn-off time : 330 μ sec typ.

Bus interface

- Bus : 33MHz CompactPCI bus
- Data bus width : 32-bit
- Space required : Contiguous 64Bytes in PCI I/O space
- Interrupt line : INTA
- Interrupt trigger : Digital input (DINO to7) change-of-state
(edge polarity is programmable)

- Power requirements : DC5V \pm 5% (supplied by rack), Typ. 0.95A
- Board size : 6U single slot width 160mm x 233.35mm x 1.6mm



HUMAN ELECTRONICS

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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-RvA

ISO14001
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