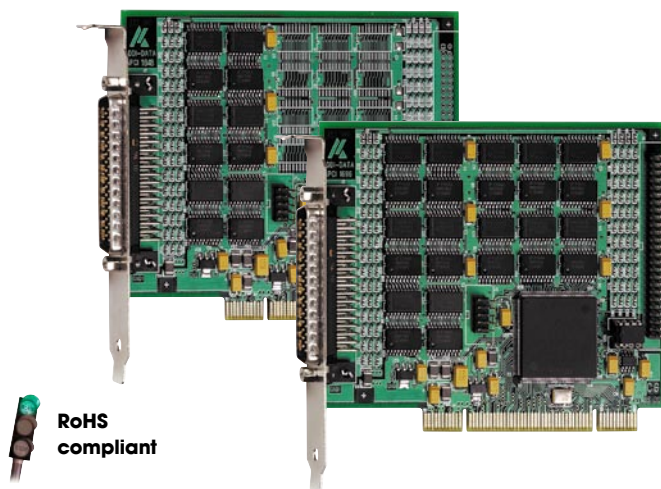


TTL I/O board, 48 or 96 digital TTL inputs/outputs



APCI-1696 - 96 digital TTL I/O

APCI-1648 - 48 digital TTL I/O

Driver capacity to 15 TTL loads

Bidirectional I/O

Configurable through software

Timer

Filter on each I/O line

Features

- PCI 3.3 V or 5 V
- 48 digital TTL inputs/outputs (APCI-1648)
- 96 digital TTL inputs/outputs (APCI-1696)
- Each group of 8 lines (1 port) can be configured as input or output
- All I/O are driven through pull-up resistors to 5 V
- Easy programming through I/O read/write commands

Connection

- APCI-1648: 50-pin SUB-D male connector
- APCI-1696: I/O 1-48: 50-pin SUB-D male connector and
I/O 49-96: 50-pin connector to an additional bracket

EMC tested acc. to 89/336/EEC

- IEC 61326: electrical equipment for measurement, control and laboratory use

Software drivers

Current driver list on the web: www.addi-data.com

Specifications

48 TTL I/O channels - 96 TTL I/O channels

Inputs and outputs:	48 digital TTL I/O (APCI-1648) 96 digital TTL I/O (APCI-1696)
I/O address range:	128 bytes
Addressing:	32-bit
Programming:	through read/write commands
Drive type:	74 HC 574
Max. input/output voltage:	TTL level
Output current:	DC \pm 35 mA

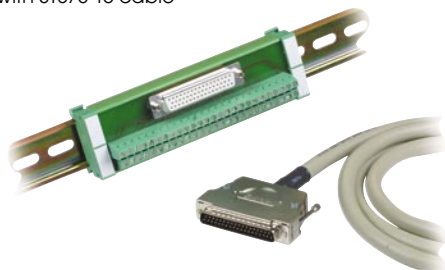
Noise immunity

Test level:	- ESD: 4 kV - Fields: 10 V/m - Burst: 4 kV - Conducted radio interferences: 10 V
-------------	---

Physical and environmental conditions

Dimensions:	131 x 99 mm
System bus:	Universal 32-bit PCI 3.3 V/5 V acc. to specification 2.2 (PCISIG)
Space required:	Short board + 1 additional slot opening for bracket (APCI-1696)
Operating voltage:	+5 V and +3.3 V \pm 5 % from PC
Current consumption:	124 mA \pm 10 %
Connection:	APCI-1648: 50-pin SUB-D male connector APCI-1696: 50-pin SUB-D male connector and for I/O 49 - 96 on separate 50-pin bracket
Temperature range:	0 to 60 °C (with forced cooling)

PX 8000 terminal panel
with ST370-16 cable



ORDERING INFORMATION

APCI-1648 / APCI-1696

APCI-1648: TTL I/O board, 48 digital TTL inputs/outputs. Incl. technical description and software driver.

APCI-1696: TTL I/O board, 96 digital TTL inputs/outputs. Incl. technical description and software driver.

Connection

PX 8000: Screw terminal panel

ST370-16: Shielded round cable, 2 m