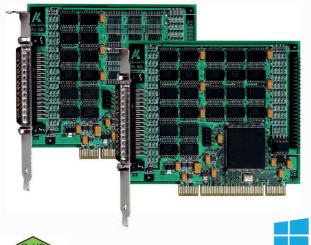# TTL I/O board,
48 digital TTL inputs and outputs

APCI-1648 – 48 digital TTL I/O

Driver capacity up to 20 LSTTL loads

Can be configured as inputs

or outputs in groups of 8 channels

Filter on each I/O line

RoHS
2002/95/EC

PCI 32-bit

Windows
64/32-bit drivers

Features

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

Connection

- APCI-1648: 50-pin D-Sub male connector

Software

Drivers and samples

A CD containing standard drivers as well as programming samples (source code or compiled) for different programming environments is supplied with the board. This software can also be downloaded for free from our website (www.addi-data.com/downloads).
Software for other operating systems and programming environments is available on request.

ADDIPACK functions

- Digital input
- Digital output

Specifications

48 TTL I/O

Inputs and outputs:	48 digital TTL I/O
I/O address range:	128 bytes
Access:	8-bit, 32-bit
Programming:	Through write/read commands
Driver type:	74ALVC164245
Max. input and output voltage:	TTL level
Output current:	DC ± 50 mA

EMC – Electromagnetic compatibility

The product complies with the European EMC directive. The tests were carried out by a certified EMC laboratory in accordance with the standard DIN EN IEC 61326-1. The limit values as set out by the European EMC directive for an industrial environment are complied with. The respective EMC test report is available on request.

Physical and environmental conditions

Dimensions:	127 x 80 mm
System bus:	PCI 32-bit 3.3 / 5 V acc. to spec. 2.2 (PCI-SIG)
Space required:	1 PCI slot
	+ 1 PCI slot for cable FB1696 (APCI-1696)
Operating voltage:	+5 V from the PC
Current consumption:	100 mA ± 10 % (TTL channels connected as outputs)
Connectors:	50-pin D-Sub male connector
Temperature range:	0 to 60 °C (with forced cooling)

Ordering information

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

Accessories

PX8001: 3-row screw terminal panel, 50-pin, for DIN-rail mounting

ST370-16: Shielded round cable, 2 m

ADDI-DATA®
PARTNER FÜR PRÄZISION