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

ADDI-DATA®

VORLÄUFIG!
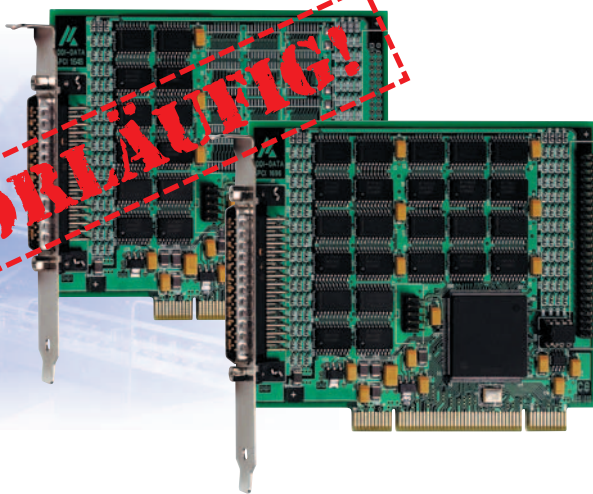
APCI-1696 - 96 digital TTL I/O
APCI-1648 - 48 digital TTL I/O

Driver capacity to 15 TTL loads

**Bidirectional I/O
configurable through software**

Timer

Filter on each I/O line

Features

- 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

In preparation

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 ± 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:	PCI
Space required:	short board + 1 additional slot opening for bracket (APCI-1696)
Operating voltage:	+5 V and +3.3 V ± 5 % from PC
Current consumption:	-
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)

ORDERING INFORMATION
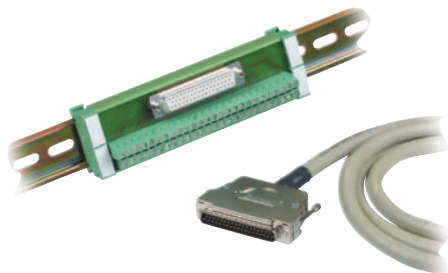
ADDINUM APCI-1648
APCI-1648: TTL I/O, 48 inputs/outputs. Incl. technical description and software drivers
APCI-1696: TTL I/O, 96 inputs/outputs. Incl. technical description and software drivers

Connection
ST370-16: Round cable, shielded, 2 m
PX 8000: Screw terminal board
FB8000: 50-pin ribbon cable (for APCI-1696: Connection of the I/O 49 - 96)