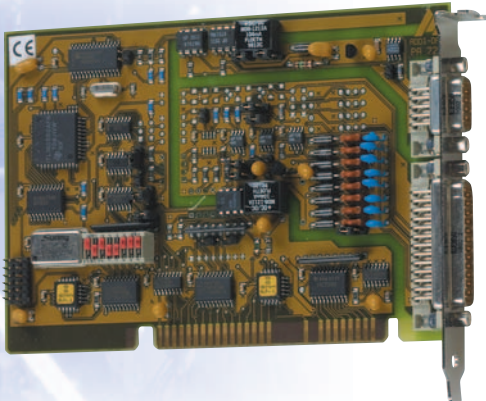


CAN bus interface, isolated



PA 7200-CAN

CAN bus interface

**1 x serial interface RS422, RS485,
Current Loop**

Optical isolation 1000 V

Mode selectable through jumper

Features

CAN bus interface

- Internal or external voltage supply (12 V)
- Supports all CAN 1.2 functions
- Transceiver component according to ISO DIS11898
- IRQ 3, 4, 5, 10, 11, 15 selectable through jumper
- Address range adjustable through 8 DIP switches
- FIFO

Serial interface

- Asynchronous communication adapter, 1-port serial interface
- Configured as RS422/RS485, 20 mA Current Loop, (active/passive)
- All modes with optical isolation
- IRQ 3, 4, 5, 10, 11, 15 selectable through jumper
- RS485 transmitter/receiver control through software
- Modem control signals CTS, RTS als RS422 signal (Option RC)
- 16-byte FIFO buffers (Option U)
- COM1 to COM4 or any address selectable through DIP switches (Option S)

Safety features

- Optical isolation 1000 V
- Protection against fast transients (Burst), electrostatic discharge, EMI

EMC tested according to 89/336/EEC

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

Applications

- CAN bus interface • Industrial process control • Industrial serial communication • Multidrop applications • SPS interface

Software drivers

Standard drivers for:

CAN: Windows 2000/NT/98/95, Windows 3.11, MS-DOS

Serial interface: Windows 2000/NT/98/95 Standard COM drivers, Windows 3.11, MS-DOS

Samples for the following compilers:

CAN: Visual Basic 5.0, Visual Basic 1.0, Borland C 3.1, Microsoft C 3.1 Turbo Pascal 7.0

Serial interface: Visual Basic 5.0, Visual C++ 5.0, Delphi 4.0, Borland C 3.1, Turbo Pascal 6.0

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

ADDICOM PA 7200-CAN

CAN bus interface, isolated. Incl. technical description and software drivers

Versions

PA 7200-CAN: CAN bus interface

PA 7200: CAN bus interface with 1-port serial interface

Specifications

CAN bus interface

CAN 1.2 properties:	transceiver component acc. to ISO DIS11898
Transfer rate:	max. 1 MBaud
Isolation voltage:	1000 V
Addressing:	for any address through DIP switches
Interrupt lines:	IRQ 3, 4, 5, 10, 11 and 15

1-port serial interface

Mode:	Configurable as RS422, RS485, 20 mA CL (active, passive) with optical isolation
Transmission mode:	asynchronous, full or half duplex
Transfer rate:	RS422/RS485: max. 112 kBaud 20 mA CL: max. 19200 Baud
Addressing:	COM1, COM2, COM3, COM4, selectable through jumper or any address through DIP switches (Option S)
Memory:	UART with 16-byte FIFO buffer (Option U)
Protocol:	5, 6, 7 or 8-bit character 1, 1 1/2 or 2 stop bits
Parity:	even, odd, none, mark or space
Interrupt lines:	IRQ 3, 4, 5, 10, 11 and 15 selectable through jumper

Safety features

Optical isolation:	1000 V, through DC/DC connector
Overvoltage protection:	Through transorb diodes
Short-circuit protection:	For RS422/RS485 through PTC

Noise immunity

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

Physical and environmental conditions

Dimensions:	156 x 99 mm
System bus:	ISA
Place required:	short board, AT slot
Operating voltage:	CAN-interface: + 12 V, $\pm 10\%$ from the PC/external serial interface: + 5 V, $\pm 5\%$ from the PC
Current consumption:	120 mA (± 10 mA) typ. at 5 V 90 mA (± 10 mA) typ. at 12 V
Front connector:	CAN-interface: 9-pin SUB-D male connector serial interface: 25-pin SUB-D male connector
Temperature range:	0 to 60 °C (with forced cooling)

ORDERING INFORMATION

Options for the serial interface

Option S: Addressing through DIP switches (only for PA 7200)

Option RC: Modem control signals CTS, RTS as RS422 diff. signals

Option U: UART with 16-byte FIFO buffer for the serial interface

www.addi-data.com

Sales: +49(0)7223/9493-120
Fax: +49(0)7223/9493-92