

1-port serial interface, RS232, RS485, RS422



PA 7301/PA 7302/PA 7303

1-port serial interfaces

PA 7301 for RS232

PA 7302 for RS485

PA 7303 for RS422

16-byte FIFO memory

COM1 to COM4

Optical isolation (PA 7302, PA 7303)

Transfer rate 112 kBaud

Features

- Asynchronous communication adapter, 1-port serial interface, PA 7301: RS232; PA 7302: RS485; PA 7303: RS422
- Addressing through jumper for COM1 to COM4

Interrupts for ISA board PA 7301

COM	Address	IRQ
COM1	3F8	4
COM2	2F8	3
COM3	3E8	10
COM4	2E8	11

Other addresses are not selectable.

- Transfer rate: 112 kBaud
- ESD protection
- 5, 6, 7 or 8-bit character
- Parity: even, odd, none, mark or space
- 1, 1½ or 2 stop bits
- UART with 16 byte FIFO buffer

EMC tested according to 89/336/EEC

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

Applications

- Industrial process control
- Industrial serial communication
- Modem and printer interface
- SPS-interface
- Long distance communication

Software drivers

A CD-ROM with the following software and programming examples is supplied with the board.

Standard drivers for:

Windows 2000/NT/98/95: Standard COM driver

Samples for:

Microsoft VC++ 5.0 • Visual Basic 5.0 • Delphi 4.0

On request: MS-DOS, 3.11

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

ADDICOM PA 7301, PA 7302, PA 7303

1-port serial interface. Incl. technical description and software driver

PA 7301	RS232 mode
PA 7302	RS485 mode, with optical isolation
PA 7303	RS422 mode, with optical isolation

www.addi-data.com

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

1-port serial interface

Mode:	RS232 (PA 7301); RS485 (PA 7302); RS422 (PA 7303)
Transmission mode:	Asynchronous, full or half duplex
Addressing:	COM1 to COM4 through jumper
Memory:	UART with 16-byte FIFO buffer
Transfer rate:	50 Baud to 112 kBaud
Protocol:	5, 6, 7 or 8-bit character 1, 1½ or 2 stop bits
Parity:	even, odd, none mark or space
Interrupt lines:	IRQ 3, 4 for XT, IRQ 10, 11 for AT

Safety features:

Overvoltage protection:	Through transorb diodes
Optical isolation:	1000 V through optical couplers and DC/DC converter for PA 7302 and PA 7303

Noise immunity

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

Dimensions:	121 x 50 mm
System bus:	ISA
Place required:	short board, 1 XT or 1 AT slot
Operating voltage:	+ 5 V, ± 5 % from the PC
Current consumption:	PA 7301: 36 mA typ. PA 7302: 95 mA typ. PA 7303: 64 mA typ.
Front connector:	9-pin SUB-D male connector
Temperature range:	0 to 60 °C (with forced cooling)

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