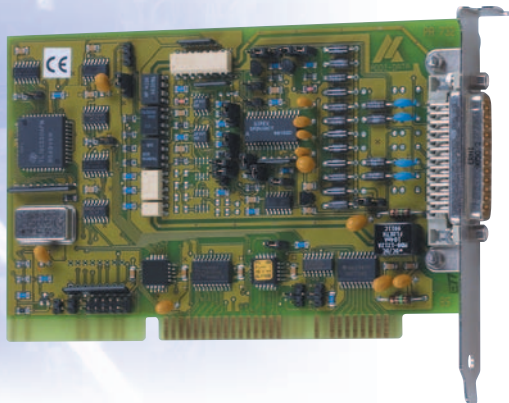


Isolated 1-port serial interface



PA 732

**RS232, RS422, RS485, Current Loop,
selectable through Jumper**

Optical isolation of all modes

**I/O address selectable through DIP switches
(optional)**

FIFO buffers optional

Features

- Asynchronous communication adapter
- 1-port serial interface
- RS232 isolated
- RS422 isolated (Modem control signals CTS, RTS as RS422 signals, Option RC)
- RS485 isolated
- 20 mA CL (active, passive) isolated
- 50 Baud to 112 kBaud
- Interrupts: IRQ 3-5, 10, 11, 15
- Addressing as COM1, COM2, COM3, COM4 or selectable through DIP switches (Option S)
- 16-byte FIFO buffer (Option U)

Safety features

- Optical isolation 1000 V
- Protection against overvoltage
- Short-circuit protection the RS422/RS485 components

EMC tested gemäß 89/336/EEC

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

Software drivers

Standard drivers for:

Windows 2000/NT/98/95: Standard COM driver
MS-DOS

Samples for the following compilers:

Microsoft VC++ 5.0
Borland C 3.1
Visual Basic 5.0
Delphi 4
Turbo Pascal 6.0

On request:

Drivers for Linux kernel version 2.4.2

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

Specifications

1-port serial interface

Mode:	Configurable as RS232, RS422, RS485, 20 mA Current Loop, (active, passive) all modes with optical isolation
Transmission mode:	Asynchronous, full or half duplex
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)
Transfer rate:	50 Baud to 112 kBaud
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 3-5 for XT, IRQ 10, 11, 15 for AT through jumper

Safety features

Optical isolation:	1000 V, through DC/DC converter
Overvoltage protection:	Through transorb diodes
Pole reversal:	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
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Physical and environmental conditions

Dimensions:	154 x 91 mm
System bus:	ISA
Place required:	short board, 1 XT or AT slot
Operating voltage:	+ 5 V, $\pm 5\%$ + 12 V, $\pm 10\%$ from the PC
Current consumption:	90 mA typ
Front connector:	25-pin SUB-D male connector
Temperature range:	0 to 60 °C (with forced cooling)

ADDICOM PA 732

PA 732: Isolated 1-port serial interface. Incl. technical description and software driver.

Options:

- Option S:** Addressing through DIP switches
Option RC: Modem control signals CTS, RTS als RS422 differential signals
Option U: UART with 16 byte FIFO buffer

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