

A-SERIAL

PCI SERIAL MULTI-PORT BOARD



DESCRIPTION

The smart Multiport Serial Boards are designed to be used by industrial automation system integrators for long distance, multi-point PC-based data acquisition applications.

The Serial Boards provide 2, 4 or 8 RS-232/422/485 serial ports, each with data rates up to 921.6 Kbps.

In RS-485 mode, the serial port can connect up to 31 daisy-chained RS-485 devices within a range of 1.2 km. For long distance RS-485 communication, optional 2 KV optical isolation protection is available to prevent equipment damage.

KEY FEATURES

- Over 800 Kbps data throughput for top performance
- Serial communication speed up to 921.6 Kbps
- Universal PCI compatible with 3.3/5V PCI and PCI-X
- 2, 4 RS-422/485 ports - 8 RS-232/422/485 ports
- 128-byte FIFO and on-chip H/W, S/W flow control
- On-board 15 KV ESD and 2 KV optical isolation protection
- Magali driver interface



SPECIFICATIONS

Interface

Bus Interface:	32-bit Universal PCI
Ports	2, 4 RS-422/485 ports 8 RS-232/422/485 ports
Connectors:	Female DB 25 (2-ports RS-422/485) Female DB 44 (4-ports RS-422/485) Female DB 78 (8-ports RS-232/422/485)

Performance

Baudrate	50 bps to 921.6 Kbps
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Configuration

Data Bits: :	5, 6, 7, 8
Stop Bit(s):	1, 1.5, 2
I/O address/IRQ	BIOS assigned
Parity:	None, Even, Odd, Space, Mark
Flow Control:	RTS/CTS, XON/XOFF

Environment

Operating Temperature:	0 to 55°C
Operating Humidity:	5 to 95% RH
Storage Temperature:	-20 to 85°C
ESD Protection:	Embedded 15 KV ESD Protection
Optical Isolation:	2 KV (CP-134U-I V2)

Regulatory Approvals

EN55022 Class B, EN55024, EN6100-3-2, EN61000-3-3, FCC Part 15 Class B
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ORDERING INFORMATION

MAG-300/A_SERIAL/2	2 RS-422/485 ports
MAG-300/A_SERIAL/4	4 RS-422/485 ports
MAG-300/A_SERIAL/8	8 RS-232/422/485 ports

*Specifications are subject to change.
Please, verify the latest specifications
prior order.*

NEXEYA FRANCE

Route d'Elné
66200 MONTECOT - France
Phone: + 33 (0) 4 68 37 36 35
Fax: + 33 (0) 4 68 37 36 34
E-mail: sales-tis@nexeya.com
www.magali.com