



# UNIX-PCI BOARD

INDUSTRIAL COMMUNICATION BOARD  
4 AND 8 ASYNCHRONOUS CHANNELS  
RS232, RS422, RS485, CURRENT LOOP

*Featuring new performance standards:*

- *Up to 1.8 Mbps communication speed*
- *128 byte FIFO on each Tx and Rx channel*
- *Automatic transmission control (XON/XOFF andt RTS/CTS)*
- *Automatic RS485 bus direction control*

*PCI bus based, UNIX-PCI board is jumperless and software configurable.*

*Its unique design splits serial communication control and electrical line interfaces, to support all industrial (RS232, RS422, RS485, current loop) while offering an extreme electrical protection level.*

*Acksys proves again their commitment to real product perenity. Thanks to upward compatibility with the vintage ISA bus version of the UNX board, UNIX users can still get full benefits of their existing software developments in our fast moving industrial PC world.*

CE

5 ANS DE GARANTIE

ACKSYS  
COMMUNICATION ET SYSTEMES

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Protection contre les surtensions, les DES et filtrage EMI/RFI

# Specifications

<b>Serial com. control</b>	Compatible with 16550 (extended function set)
Number of channels	4 or 8
Speed	Up to 1.8 Mbps <sup>1</sup> . Wide standard or non-standard com. Speed choice
Format	Asynchronous, 5, 6, 7 or 8 bits per character, 1, 1½, 2 stop bit, Mark, Space, even, odd parity setting or none
Buffer size	128 byte on each channel both for Tx and Rx programmable FIFO threshold setting
Handshaking	Hardware (RTS/CTS) and/or software (XON/XOFF), Application driven or automatic handling by UNXPCI board
<b>Electical I/F</b>	<sup>3</sup>
Line drivers <sup>2</sup>	RS232, RS422, RS485, 20 mA current loop, EIA530 <sup>3</sup> , plastic <sup>3</sup> /glass <sup>3</sup> fiber optics or mixing of all with MR version Auto RS485 line toggling
Galvanic isolation	Current loop, option for RS232 <sup>3</sup> , RS422, RS485
Connectors	Sub D 9 or 25 points, MDR 100 points
Protection	All signals are protected against ESD and surges, they are all HF filtered
<b>Miscellaneous</b>	According to PCI 2.1 and 2.2 standards
Dimensions	140,7 mm (L) x 106,7 mm (H)
Power consumption	n.c.
Temp. range	-5°C to +65°C (All our boards are going through a 16 hour burn-in cycle between -20°C and +80°C)
Environnement et sécurité	n.c.
<b>Software support</b>	Seen as standard COM ports
Drivers <sup>4</sup>	MSDos, Windows 95, Windows 98, Windows NT, Linux <sup>5</sup>

<sup>1</sup> Depends upon line interface

<sup>2</sup> On all channels, to be specified at order time

<sup>3</sup>-MR version only

<sup>4</sup> Extended function support (speed > 115,2 kbps, 128 byte FIFO, automatic handshake control)

<sup>5</sup> On request

## Ordering info :

No galvanic isolation		Isolated versions	
<b>UNXPCI-TTL-4</b>	4 ch. TTL, connect. MDR 100 points	<b>UNXPCI-485-4-ISO</b>	4 ch. RS422/RS485, connect. D9 female
<b>UNXPCI-TTL-8</b>	8 ch. TTL, connect. MDR 100 points	<b>UNXPCI-485-8-ISO</b>	8 ch. RS422/RS485, connect. D9 female
<b>UNXPCI-232-4</b>	4 ch. RS232, connect. D25 male	<b>UNXPCI-BDC-4-ISO</b>	4 ch. 20 mA, connect. D9 female
<b>UNXPCI-232-8</b>	8 ch. RS232, connect. D25 male	<b>UNXPCI-BDC-8-ISO</b>	8 ch. 20 mA, connect. D9 female
<b>UNXPCI-422-4</b>	4 ch. RS422, connect. D25 female	<b>UNXPCI-MR-4</b>	4 ch. modular (cf. BPMR data sheet)
<b>UNXPCI-422-8</b>	8 ch. RS422, connect. D25 female	<b>UNXPCI-MR-8</b>	8 ch. modular (cf. BPMR data sheet)

## Designed and manufactured in France

Dans un soucis d'amélioration permanente de ses produits, Acksys se réserve le droit d'en modifier les caractéristiques sans préavis.

Les présentes spécifications ne correspondent pas à une obligation contractuelle.

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