

JetCard 1402 / 1402i 2-port RS-422 / 485 Universal PCI Card



Supports 32-bit Universal PCI bus

- Easy-to-install driver and self-diagnostic utility
- High speed up to 921.6 Kbps
- Built-in 15KV ESD protection
- Automatic Flow Direction Switching Technology
- Supports 128-byte FIFO

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Supports on-board automatic hardware/software flow control

control, which uses Tx and Rx to send/ receive

XON/XOFF signals, or select hardware flow control,

which uses CTS#/RTS# to send/ receive the

signals. The flow control function is to prevent FIFO

from overflow. JetCard is ideally suitable for PC

applications, enabling PC users to take advantage

of the maximum performance of analog modem or

ISDN terminal adapters. JetCard is also suitable for

any communications that require high speed RS-232/

RS-422/RS-485 interfaces. JetCard 1402 also comes

with on-board Automatic Flow Direction Switching

- Supports over current/voltage protection
- Provides 2KV optical isolation (JetCard 1402i only)

High Performance

JetCard Series use Oxford OXmPCI954 chip, a 2-port Universal Asynchronous Receiver Transmitter, which is well-known for its high performance. Each UART channel in the JetCard offers data transmission speed up to 921.6 Kbps, and bi-directional 128-byte FIFO for each port. Deep FIFO can reduce the CPU's loading, saving CPU's resources for other important tasks. This chip also allows JetCard to be compatible with the widely-used industry-standard 16C950 devices and PCI bus.

In addition to high speed of 921.6 Kbps and 128-byte FIFO, Oxford chip also equips JetCard with onboard flow control function. Instead of using a driver on the PC to control the traffic flow, JetCard uses the on-board flow control function to reacts directly without waiting for the PC to respond. In this way, the respond time and CPU's loading can be largely reduced, greatly enhancing your system's performance. You can either choose software flow

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of using a
w, JetCardTechnology. Under a multi-drop 2-wire RS-485 mode,
the timing for switching between Idle Mode (data
not being transmitted) and Active mode (data being
transmitted) must be precise and accurate. With this
technology, JetCard can effectively increase RS-485
transmission performance, and largely relieve the PC
from the burden of using the driver to switch modes.rare flowTechnology.



www.korenix.com

Multiport Serial Card

Specification

Interface

Bus Interface: 32-bit Universal PCI Number of Ports: 2 Max. Number of Boards: 4 IRQ: Assigned by PCI plug and play Data Bits: 5, 6, 7, 8 Stop Bits: 1, 1.5, 2 Parity Bits: None, Even, Odd, Space, Mark RS-422 Signals: Tx+, Tx-, Rx+, Rx-, RTS+, RTS-, CTS+, CTS-, GND RS-485 (4-wire) Signals: Tx+, Tx-, Rx+, Rx-, GND RS-485 (2-wire) Signals: Data+, Data-, GND RS-485 Data Control: On-chip Automatic Data Flow Direction Switching Technology (2-wire) Isolation Protection: 2 KV Optical Isolation (JetCard 1402i only)

Hardware

Communication Controller: 16C950 compatible (OXFORD)

Board Connector: DB9 Male x 2

Performance

FIFO Size: 128 Bytes



RS-422/485 DB9 Male

	R	RS-422		RS-485 4Wires		RS-485 2Wires	
	Pin No.	Signal	Pin No.	Signal	Pin No.	Signal	
	1	TxD-(A)	1	TxD-(A)	1	Data-(A)	
	2	TxD+(B)	2	TxD+(B)	2	Data+(B)	
	3	RxD+(B)	3	RxD+(B)	3		
	4	RxD-(A)	4	RxD-(A)	4		
	5	GND	5	GND	5	GND	
	6	RTS-(A)	6		6		
	7	RTS+(B)	7		7		
	8	CTS+(B)	8		8		
	9	CTS-(A)	9		9		



JetCard 1402 2-port RS-422/485 Universal PCI Card

Includes:

- 2-port RS-422/485 Card
- Quick Installation Guide
- Documentation and Software CD-ROM

JetCard 1402i 2-port RS-422/485 Isolated Universal PCI Card Includes:

2-port RS-422/485 Card

- Quick Installation Guide
- Documentation and Software CD-ROM

Speed: 50 bps to 921.6 Kbps Surge Protection: Embedded 15KV ESD Surge Protection

Terminator: Built-in termination resistor

Power Requirements Power Consumption(JetCard 1402): 550 mA (+5 V) Power Consumption(JetCard 1402i): 590 mA (+5 V)

Mechanical

Dimensions: 120 x 80 mm

Environmental

Operating Temperature: -10 ~ 70°C (14 ~ 158°F) Operating Humidity: 5% ~ 95% (Non-condensing) Storage Temperature: -20 ~ 85°C (-4 ~ 185°F) OS Supported: Windows 98/Me/NT/2000/XP/2003, Linux RedHat Enterprise 4.0 (2.6.9)/RedHat Enterprise 3.0 (2.4.21)/RedHat 9.0 (2.4.20)/RedHat 8.0 (2.4.18)/RedHat 7.3 (2.4.18)/RedHat 7.2 (2.4.7)/FC5(2.6.16)/FC3(2.6.9)/

FC2(2.6.5)/FC1(2.4.22)/Mandrake 10.1(2.6.8)/Mandrake 9.2

(2.4.22) Regulatory Approvals

EMI: FCC, CE Warranty: 5 years



IP67/68 Ethernet Switch

Rackmount Managed

Switch

Gigabit Switch

edundant

Switch

Entry-Level

Switch

Networking Computer

Communication

Ethernet

I/O Server

Serial Device Server

Media

Converter

Multiport

Serial Card

SFP Module

Din Rail Power Supply