

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

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°C to 70°C (14°F to 158°F)

Operating Humidity: 5% to 95% (Non-condensing)

Storage Temperature: -20°C to 85°C (-4°F to 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

Pin Assignments

RS-422/485 DB9 Male

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	

RS-422/485 DB25 Male

RS-422		RS-485 4Wires		RS-485 2Wires	
Pin No.	Signal	Pin No.	Signal	Pin No.	Signal
2	RxD+(B)	2	RxD+(B)	2	
3	TxD+(B)	3	TxD+(B)	3	Data+(B)
4	RTS+(B)	4		4	
5	CTS+(B)	5		5	
6	RTS-(A)	6		6	
7	GND	7	GND	7	GND
8	TxD-(A)	8	TxD-(A)	8	Data-(A)
20	RxD-(A)	20	RxD-(A)	20	
22	CTS-(A)	22		22	

Ordering Information

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:

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