JetCard 1204 / 1204w
4-port RS-232 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
- Supports 128-byte FIFO
- Supports on-board automatic hardware/ software flow control

CE FC RoHS

High Performance

JetCard Series use Oxford OXmPCI954 chip, a 4-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 on-board 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 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.

Dimensions (Unit –mm)
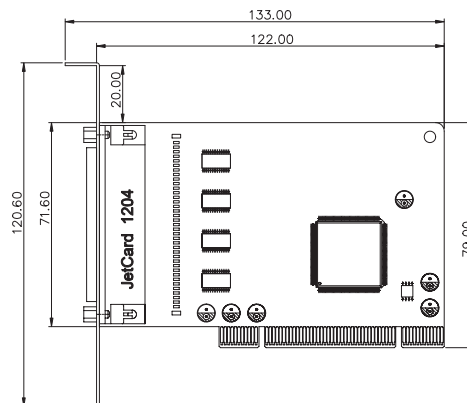
Specification

Interface
Bus Interface: 32-bit Universal PCI
Number of Ports: 4
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
Data Signals: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND

Hardware
Communication Controller: 16C950 compatible (OXFORD)
Board Connector: DB37 Female
Cable Connection: DB9 Male or DB25 Male, 60 cm cable length
Cable Model: CM37M9x4-60 or CM37M25x4-60 (optional)

Performance
FIFO Size: 128 Bytes
Speed: 50 bps to 921.6 Kbps
Surge Protection: Embedded 15KV ESD Surge Protection

Power Requirements
Power Consumption: 130 mA (+5 V)

Mechanical
Dimensions: 120 x 80 mm

Environmental
Operating Temperature(JetCard 1204):
-10 ~ 70°C (14 ~ 158°F)
Operating Temperature(JetCard 1204w):
-40 ~ 80°C (-40 ~ 176°F)
Operating Humidity: 5% ~ 95 % (Non-condensing)
Storage Temperature(JetCard 1204):
-20 ~ 85°C (-4 ~ 185°F)
Storage Temperature(JetCard 1204w):
-40 ~ 85°C (-40° ~ 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)
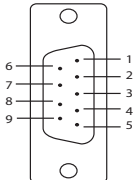
Regulatory Approvals
EMI: FCC, CE
Warranty: 5 years

Pin Assignments
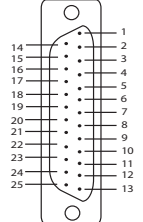
RS-232 DB9 Male

Pin No.	Signal
1	DCD
2	RxD
3	TxD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS

RS-232 DB25 Male

Pin No.	Signal
2	TxD
3	RxD
4	RTS
5	CTS
6	DSR
7	GND
8	DCD
20	DTR

Ordering Information

JetCard 1204 4-port RS-232 Universal PCI Card

Includes:

- 4-port RS-232 Card
- Quick Installation Guide
- Documentation and Software CD-ROM

JetCard 1204w 4-port RS-232

Wide Temperature Universal PCI Card

Includes:

- 4-port RS-232 Card
- Quick Installation Guide
- Documentation and Software CD-ROM

Optional Accessories

CM37M9x4-60

4-port male DB37 to male DB9 connection cable, 60cm

CM37M25x4-60

4-port male DB37 to male DB25 connection cable, 60cm

CM37M9x4-60

CM37M25x4-60