



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



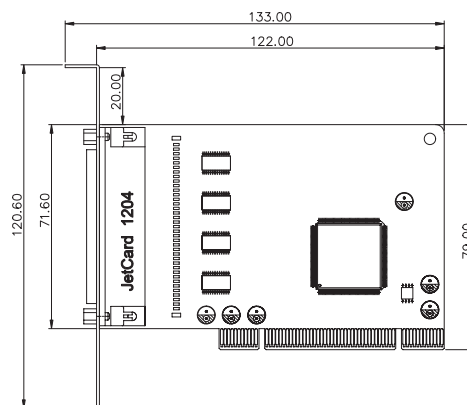
High Performance

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

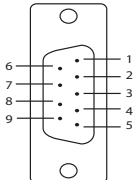
Warranty: 5 years

Industrial PoE Switch
IP67/68 Ethernet Switch
Rackmount Managed Switch
Gigabit Switch
Redundant Switch
Entry-Level Switch
Networking Computer
Communication Computer
Ethernet I/O Server
Serial Device Server
Media Converter
Multiport Serial Card
SFP Module
Din Rail Power Supply

Pin Assignments

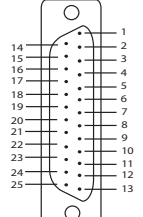
RS-232 DB9 Male

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