

## JetCard 1404 / 1404i

### 4-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
- Supports on-board automatic hardware/software flow control
- Supports over current/voltage protection
- Provides 2KV optical isolation ( JetCard 1404i only)

#### 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. JetCard 1404 also comes with on-board Automatic Flow Direction Switching Technology. 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.

#### Dimension (Unit=mm)

