954R8 Specification
8 ports RS-232 PCI Serial cards

FEATURES
● 8 independent RS-232 serial ports with communication speeds up to 230 (921) Kbps
● PCI compatible with 64/32-bit PCI-X/PCI Bus and 3.3/5V connector key
● High speed 16C950 compatible UART controller on-board
● On-chip hardware auto flow control to guarantee no data loss
● Built-in 128K byte DMA software FIFO
● Certified by Microsoft WHQL, CE, FCC approval
● Support Linux, Microsoft Windows 98/ME/NT/2000/XP/2003 and Vista
● Ready of the Intel and AMD 32/64-bit CPU System

Overview
eMegatech 954R8 serial, PCI serial communication board, allows users to install 8 RS-232 ports on PC-based system. The card is compatible with both 32/64-bit PCI architecture supporting 3.3 and 5V Bus, allowing it to be installed in virtually any PC-based system. eMegatech Multi-IO card serial support majority of the OS on the market. We provide driver support for Microsoft Windows 32/64-bit platform, Linus 2.4.x~2.6.x kernels, making it the best and most economical solution for commercial and industrial applications.

Specifications
Serial communication

<table>
<thead>
<tr>
<th>Interface</th>
<th>RS-232</th>
</tr>
</thead>
<tbody>
<tr>
<td>Controller</td>
<td>OXFORD OX16PCI954</td>
</tr>
<tr>
<td>Bus</td>
<td>32-bit PCI</td>
</tr>
<tr>
<td>No. of port</td>
<td>8 ports</td>
</tr>
<tr>
<td>Port Type</td>
<td>DB9 Male</td>
</tr>
<tr>
<td>IRQ &amp; IO</td>
<td>Assigned by System</td>
</tr>
<tr>
<td>FIFO</td>
<td>128K byte DMA FIFO</td>
</tr>
<tr>
<td><strong>Baud rate</strong></td>
<td>96bps ~ 230 (921) Kbps</td>
</tr>
<tr>
<td><strong>Flow Control</strong></td>
<td>None, Xon/Xoff, RTS/CTS</td>
</tr>
</tbody>
</table>

**Driver Support**

- **Microsoft**
  - Windows 98/ME/NT/2000/XP/2003/Vista (32/64-bit)

- **Linux Kernel**
  - 2.4.x/2.6.x

**Regulatory Approvals**

- **Hardware**
  - CE, FCC
- **Software**
  - WHQL

**Operation Environment**

- **Operation Temperature**
  - 0 to 60°C
- **Operation Humidity**
  - 5 to 95% RH