Serial PCMCIA cards are a flexible low-cost interface choice for using portable serial peripherals such as GPS receivers, bar code scanners, printers, digital cameras and fax/modems with portable computers. They are also ideal solutions for a wide variety of applications including field data collection, industrial monitoring and control and office automation.

Quatech serial PC Cards are small, light, and have low power requirements to reduce battery drain. They come in a ruggedized case and have a convenient removable connector cable. Our Windows CE drivers enable the card to be used in most popular handheld devices where ports are increasingly scarce.

The SSP-100 provides a single RS-232 serial port. It is implemented with 16750 UARTs containing 64-byte FIFOs, that in conjunction with Quatech’s special clock-multiplying feature can provide industry leading speeds of up to 921.6 kbps.

Specifications

**Bus Interface:** 16-bit PCMCIA, Release 8 & backward compliant

**OS Support:** Windows CE/9x/Me/NT/2000/XP, Linux, OS/2

**Data Rate:** 921.6 kbps (max)*
* Actual baud rates can be affected by cabling and other factors

**Ports:** One RS-232 serial port

**UARTs:** 16750 UARTs with 64-byte FIFOs
SSP-100 Specifications Continued

**Transceivers:** 3254 or compatible

**Drivers:**
- **High Level Output:** +5V (min), +5.4V (typ)
- **Low Level Output:** -5V (min), -5.4V (typ)
- **Transition Time (THL-TLH):** 25 ns (typ)

**Receive Buffers:**
- **Voltage Range:** +25V (max), -25V (min)
- **Transition Time (THL-TLH):** 25 ns (typ)

**Environment:**
- **Operating:** 0°C to 70°C
- **Storage:** -50°C to 80°C
- **Humidity:** 10% to 90%

**Power Requirements:**
- 20mA @ 5V* (typ)
- 35mA @ 5V* (max)
  
*Compatible with 3.3V & 5V systems

**Size:** Type II PCMCIA Card package

**Certifications:** CE, FCC Class B

**Connector:** The SSP-100 includes a removable cable that provides a single port DB9 male connector. The pinout for this connector is shown below.

<table>
<thead>
<tr>
<th>Pin</th>
<th>Pin 1 DCD</th>
<th>Pin 2 RxD</th>
<th>Pin 3 TxD</th>
<th>Pin 4 DTR</th>
<th>Pin 5 GND</th>
<th>Pin 6 DSR</th>
<th>Pin 7 RTS</th>
<th>Pin 8 CTS</th>
<th>Pin 9 RI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Carrier Detect</td>
<td>Data Input</td>
<td>Data Output</td>
<td>Data Terminal Ready</td>
<td>Signal Ground</td>
<td>Data Set Ready</td>
<td>Request to Send</td>
<td>Clear to Send</td>
<td>Ring Indicator</td>
</tr>
</tbody>
</table>

**Ordering Information:**
- **SSP-100:** One port RS-232 card with cable
- **CP-SSP-100:** Spare one port DB9 male cable