



# Dedicated Serial Boards for cPCI Systems

Quatech's complete line of dedicated serial boards for CompactPCI systems provides a wide variety of port, protocol, and connector configurations.

If you only need additional serial ports, why increase your expense, exposure to incompatibility, and potential for system failure by purchasing a new CPU? Quatech's CompactPCI boards are designed solely for serial data communication. In addition, unlike many CompactPCI board vendors who add I/O ports as an afterthought, Quatech knows serial communication. We have built our business, and our reputation, by designing and manufacturing the industry's most reliable serial connectivity products. The proof is an exceptionally low product failure rate (we test and burn-in every board), and a 19-year track record of successful installations with satisfied customers in every industry.

- Two or four independent serial ports
- RS-232 or RS-422/485 boards
- Speeds up to 921.6 kbps
- Standard 16750 UARTs with 64-byte FIFOs
- All ports share a single cPCI interrupt
- Plug-and-play & basic hot-swap capability
- D9, D25 or RJ45-10 connectors
- Windows 95/98/Me/NT/2000 supported
- Five year warranty

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[www.quatech.com](http://www.quatech.com)

## RS-232 Board Specifications

**Bus Interface:** 3U CompactPCI

**Data Rate:** 460.8 kbps (max)\*

**Ports:** **DSCP-100:** 2                      **QSCP-100:** 4

**UARTs:** 16750 UARTs with 64-byte FIFOs (1 per port)

**Transceiver:** SP211 HB

**High Level Output:** +5V (min), +7V (typ)

**Low Level Output:** -5V (min), -7V (typ)

**Receive Buffers:**

**Voltage Range:** -15V (min), +15V (max)

**Input Threshold Low:** 0.8V (min), 1.2V (typ)

**Input Threshold High:** 2.4V (max), 1.7V (typ)

**Temperature: Operating:** 0 to 70°C,

**Storage:** -50° to 80°C

**Humidity:** 10% to 90%

**Power Requirements: +5V:** 400mA (typ)

**OS Support:** Windows 95/98/Me/NT/2000

**Ordering Information:**

**QSCP-100D:** Four port board with D-37 connector  
Four port D-25 male cable included

**QSCP-100M:** Four port board with RJ45-10 connectors

**DSCP-100D:** Two port board with D-9 male connectors

**DSCP-100M:** Two port board with RJ45-10 connectors

## RS-422/485 Board Specifications

**Bus Interface:** 3U CompactPCI

**Data Rate:** 921.6 kbps (max)\*

**Ports:** **DSCP-200/300:** 2                      **QSCP-200/300:** 4

**UARTs:** 16750 UARTs with 64-byte FIFOs (1 per port)

**Transceivers:** MAX491 or compatible

**Differential Driver Output (50 Ω load):** +2V (min)

**Differential Driver Output (27Ω load):** +1.5V (min)

**High Input:** +2V (min)

**Low Input:** +0.8V (max)

**Driver Rise or Fall Time:** 5ns (min), 15ns (typ), 25ns (max)

**Temperature: Operating:** 0 to 70°C,

**Storage:** -50° to 80°C

**Humidity:** 10% to 90%

**Power Requirements: +5V:** 400mA (typ)

**OS Support:** Windows 95/98/Me/NT/2000

**Ordering Information:**

**QSCP-200/300D:** Four port board with D-37 connector  
Four port D-25 male cable optional

**QSCP-200/300M:** Four port board with RJ45-10 connectors

**DSCP-200/300D:** Two port board with D-9 female connectors

**DSCP-200/300M:** Two port board with RJ45-10 connectors

\* Baud rates can be affected by cabling and other external factors.



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