



DSCLP-100 shown



SSCLP-200/300 shown

Multiport Low Profile PCI Serial Cards

The perfect solution for adding multiple high-speed serial ports to any PC, server, thin client, or embedded system

RS-232 Cards

Models: SSCLP-100, DSCLP-100, QSCLP-100, and ESCLP-100

RS-422/485 Cards

Models: SSCLP-200/300, DSCLP-200/300

Overview

As many banking, retail, and hospitality POS applications are implemented using increasingly smaller-size systems, it becomes increasingly more difficult to integrate the multiple serial ports necessary to accommodate the large number of peripherals required for these systems. These low profile PCI serial boards solves this problem.

Low Profile PCI boards are mechanically similar to standard PCI boards, but use a shorter board and a different mounting bracket. These products leverage the standard to provide up to eight additional serial ports on a single board. As with all our products, our Low Profile PCI boards strictly adhere to standard specifications, so you can be sure that every board will install smoothly, and consistently function properly in your system.

Features

- One, two, four, or eight independent serial ports
- Choose RS-232 or RS-422/485 models
- Auto enable/disable RS-422/485 transmitter
- Universal PCI connector, 3.3V or 5V
- MD1 low profile PCI board (fits U2 racks)
- Speeds up to 921.6 kbps
- 16550 UARTs with 16-byte FIFOs (1, 2, 4 port models)
16750 UARTs with 64-byte FIFOs (8 port model)
- All ports share a single PCI interrupt
- Plug & Play
- WIN 95/98/Me/NT/2000/XP, LINUX, OS/2, DOS

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MANUFACTURING COMPANY

RS-232 Board Specifications**Bus Interface:** 32-bit, 33MHz PCI Bus spec. 2.3 compliant**OS Support:** Win95/98/Me/NT/2000/XP, Linux, OS/2, DOS**Data Rate:****SSCLP/DSCLP:** 460.8 kbps (max)**QSCLP/ESCLP:** 921.6 kbps (max)**Ports:****SSCLP:** 1**DSCLP:** 2**QSCLP:** 4**ESCLP:** 8**UARTs:****S/D/QSCLP:** 16550 UARTs, 16-byte FIFOs (1 per port)**ESCLP:** 16750 UARTs, 64-byte FIFOs (1 per port)**Transceiver:** ICL3245CA 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):** 50 ns (typ)**Environment:****Operating:** 0 to 70°C**Storage:** -50 to 80°C**Humidity:** 10% to 90%**Power Requirements:****S/D/QSCLP:** 3.3V, 260mA (typ)**ESCLP:** 5V, 150mA (typ)**Size:****MD1 Board:** fits 2U racks

6.4H x 12.0W cm (2.5H x 4.7W in)

Low Profile PCI Bracket: 7.9H cm (3.1H in)

(Standard PCI bracket also included)

Connectors:**SSCLP:** DB-9 male**DSCLP:** DB-25 male or cable with 2 DB-9 male**QSCLP:** DB-44 male or cable with 4 DB-9 male**ESCLP-100:** DB-78 male or cable with 8 DB-9 male**Certifications:** CE, FCC Class B**Ordering Information:****SSCLP-100:** One port RS-232 board**DSCLP-100:** Two port RS-232 board with cable**QSCLP-100:** Four port RS-232 board with cable**ESCLP-100:** Eight port RS-232 board with cable**RS-422/485 Board Specifications****Bus Interface:** 32-bit, 33MHz PCI Bus spec. 2.3 compliant**OS Support:** Win95/98/Me/NT/2000/XP, Linux, OS/2, DOS**Data Rate:****SSCLP/DSCLP:** 460.8 kbps (max)**Ports:** (each configurable as RS-422 or RS-485 for full or half duplex communication)**SSCLP:** 1**DSCLP:** 2**UARTs:** 16550 UARTs with 16-byte FIFOs (1 per port)**Transceiver:** SP3491 or compatible**Drivers:****Differential Voltage:** $\pm 3.3V$ **Transition Time (TLH):** 52 ns (typ)**Transition Time (THL):** 60 ns (typ)**Receive Buffers:****Differential Input Threshold:** $\pm 0.2V$ **Voltage Range:** -7V to +12V Common Mode Input**Transition Time (THL-TLH):** 65 ns (typ)**Environment:****Operating:** 0 to 70°C**Storage:** -50 to 80°C**Humidity:** 10% to 90%**Power Requirements:** 3.3V, 260mA (typ)**Size:****MD1 Board:** fits 2U racks

6.4H x 12.0W cm (2.5H x 4.7W in)

Low Profile PCI Bracket: 7.9H cm (3.1H in)

(Standard PCI bracket also included)

Connectors:**SSCLP:** DB-9 female**DSCLP:** DB-25 female or cable with 2 DB-9 female**Certifications:** CE, FCC Class B**Ordering Information:****SSCLP-200/300:** One port RS-422/485 board**DSCLP-200/300:** Two port RS-422/485 board w/cable