



### Communications Interface

- I/O Connection: 9-pin male D-sub connectors.
- Serial Ports: Two shielded male D-sub 9-pin IBM AT style connectors compatible with RS-232(PCI-COM2S only), RS-422 and RS-485 specifications.
- Character length: 5, 6, 7, or 8 bits.
- Parity: Even, odd or none.
- Stop Interval: 1, 1.5, or 2 bits.
- Serial Data Rates: Up to 115,200 baud, Asynchronous, Asynchronous. A faster range of rates, up to 460,800 baud, is achieved by jumper selection on the card. Type 16550 buffered UART.

Caution: The OUT2 bit of the UART must be set low for proper interrupt driven communication. This bit enables or disables the interrupts and the card will not communicate if the bit is pulled high.

### RS-232 Drivers(PCI-COM2S Only)

- Device: 75C185 Quad Line Transceivers
- Output Voltage:  $\pm 6$ VDC minimum, current limited to 10 mA.
- Receiver threshold: 1.5V high, 0.75 low, Maximum input  $\pm 30$ VDC

### RS-422/RS-485 Differential Communication Mode

- Multipoint: Compatible with RS-422 and RS-485 specifications. Up to 32 drivers and receivers allowed on line. Serial communications ACE used is type 16550. Driver/Receivers used are type 75ALS180.
- Receiver Input Sensitivity:  $\pm 200$  mV, differential input.
- Common Mode Rejection: +12V to -7V
- Transmitter Output Drive Capability: 60 mA, with thermal shutdown.

### Environmental

- Operating Temperature Range: 0° to +60° C
- Humidity: 5% to 90%, non-condensing.
- Storage Temperature Range: -50° to +120° C
- Power Required: +5VDC at 125 mA typical, -12VDC at 5 mA typical, +12VDC at 5 mA typical, 750 mW total power consumption.
- Size: 6 1/2" long (165 mm) by 3 7/8" (99 mm)

### Regulatory Compliance

Declaration of Conformity, and Test Reports are on file. Users must use appropriate shielded cables.

Part Number	Price(USD)
PCI-COM-2S	209.00
PCI-422/485-2	179.00

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