

# PCI Synchronous Serial

## PCI RS-232, RS-422, RS-485, RS-530, RS-530A, V.35 Synchronous Serial Interface (uses Z85230)

Item # 5402

The 5402 is a four-port PCI bus RS-232, RS-422, RS-485 synchronous serial interface. Designed using the popular Zilog Z85230 Enhanced Serial Communication Controller (ESCC), the board is an ideal solution for military, satellite, radar, banking, and other applications that require robust synchronous communications.

For maximum flexibility, each of the serial ports can be individually configured for RS-232, RS-422, or RS-485 communications. In RS-232 mode, all common modem control signals are implemented for compatibility with a wide range of peripherals. A digital phase lock loop (DPLL) is included on each port, and the board supports data rates up to 128K bps in burst mode. For easy implementation, a fan-out cable is included that terminates the onboard 120-pin high-density Molex connector to four DB-25M connectors. Terminal blocks, adapter cables other helpful accessories are available to facilitate rapid installation.

The 5402 features Universal Bus (3.3V and 5V) compatibility with both new and legacy computer systems. Software support, critical for successful synchronous communication development, is provided through Sealevel's SeaMAC driver. HDLC/SDLC protocols are supported as well as certain configurations of Monosync, Bi-sync, and Raw modes.



### Technical Specifications

Number of Ports	4
Communications Chip	Z85230
Max Data Distance	50 feet (RS-232) 4000 feet (RS-485)
Max Data Rate	128K bps (burst)
Operating Temperature	0 - +70° C
Storage Temperature	-50° - +105° C
Humidity Range	10 - 90% R.H.

### Unique Features

- ▶ Each port individually configurable for RS-232, RS-422, RS-485, RS-530, RS-530A, or V.35
- ▶ Z85230 Enhanced Serial Communications Controller (ESCC™)
- ▶ Data rates to 128K bps (Burst mode)
- ▶ Included fan-out cable terminates to four DB-25M connectors (Item# CA339)

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