



## PCI Express 4-Port RS-232, RS-422, RS-485, RS-530, RS-530A, V.35 Synchronous Serial Interface (uses Z85230)

**Part:** 5402e | **Model:** ACB-MP+4.PCIe

The 5402e is a PCI Express synchronous serial interface that provides four ports individually configurable for RS-232, RS-422, RS-485, RS-530, RS-530A or V.35. Designed using the popular Zilog Z85230 Enhanced Serial Communication Controller (ESCC), the synchronous serial adapter is an ideal solution for military, satellite, radar, banking and other applications that require robust synchronous 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 100-pin SCSI-style connector to four DB-25M connectors. Terminal blocks, adapter cables, and other helpful accessories are available to simplify installation.

Software support, critical for successful synchronous communication development, is provided through Sealevel's SeaMAC synchronous serial driver. HDLC/SDLC protocols are supported as well as certain configurations of Monosync, Bi-sync and Raw modes.

## Features & Specifications

### PCI Express 4-Port RS-232, RS-422, RS-485, RS-530, RS-530A, V.35 Synchronous Serial Interface (uses Z85230)

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#### Features

- Compliant with RoHS and WEEE directives
- 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)
- All modem control signals implemented
- PCI Express X1 compliant
- Compatible with all standard-height PCI Express slots
- Included fan-out cable terminates 100-pin SCSI-style board connector to four DB-25M connectors (Item# CA339)

#### Specifications

<b>Communications Chip</b>	Z85230
<b>Communications Controller</b>	Z85230
<b>Electrical Interface</b>	RS-232, RS-422, RS-485, RS-530, RS-530A
<b>Humidity Range</b>	10 – 90% Relative Humidity, Non-Condensing
<b>Host Interface(s)</b>	PCI Express
<b>Max Data Distance</b>	50 feet (RS-232), 4000 feet (RS-485)
<b>Max Data Rate</b>	128K bps (burst)
<b>Operating Temperature</b>	0°C to 70°C (32°F to 158°F)
<b>PC Bracket</b>	Standard Height
<b># of Ports</b>	4
<b>RoHS Compliant</b>	Yes
<b>Serial Connector(s)</b>	DB25M
<b>Storage Temperature</b>	-50°C to 105°C (-58°F to 221°F)
<b>V.35</b>	Yes