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

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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

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