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

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

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 100-pin SCSI-style 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 synchronous serial driver. HDLC/SDLC protocols are supported as well as certain configurations of Monosync, Bi-sync and Raw modes.

Features & Specifications
PCI 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)
• Included fan-out cable terminates 100-pin SCSI-style connector on board 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
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