



Low Profile PCI Express 1-Port RS-232, RS-422, RS-485, RS-530, RS-530A, V.35 Synchronous Serial Interface (uses Z85230)

Part: 5102e | **Model:** ACB-MP.PCIe

The 5102e is a low profile PCI Express synchronous serial interface that provides a single channel configurable for RS-232, RS-422, RS-485, RS-530, RS-530A or V.35. 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 and the board supports data rates up to 128K bps in burst mode.

Designed using the popular Zilog Z85230 Enhanced Serial Communication Controller (ESCC), the synchronous serial adapter is an ideal solution for applications including DDS (digital data service), military applications, banking communications, and other specialized applications. Our Software toolkit is included to aid software driver development for other operating systems by providing programming samples and source code to shorten development time. 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.

The 5102e is compatible with any low profile PCI Express slot. A standard profile bracket is also included.

Features & Specifications

Low Profile PCI Express 1-Port RS-232, RS-422, RS-485, RS-530, RS-530A, V.35 Synchronous Serial Interface

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Features

- Compliant with RoHS and WEEE directives
- 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 in RS-232 mode
- PCI Express X1 compliant
- Compatible with all low profile PCI Express slots
- DB-25M board connector

Specifications

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|----------------------------------|--|
| 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 | Low Profile |
| # of Ports | 1 |
| RoHS Compliant | Yes |
| Serial Connector(s) | DB25M |
| Storage Temperature | -50°C to 105°C (-58°F to 221°F) |
| V.35 | Yes |