Low Profile PCI Express 1-Port RS-232 Synchronous Serial Interface (uses Z85230)

Part: 5103E | **Model:** ACB-232.PCIe

The 5103e is a low profile PCI Express synchronous serial interface that provides one RS-232 port. 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 5103e is compatible with any low profile PCI Express slot. If you have a standard size PCI Express slot, be sure to select the standard profile bracket.

Features & Specifications

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Features

- Compliant with RoHS and WEEE directives
- 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 low profile PCI Express slots
- DB-25M board connector

Specifications

Communications Chip	Z85230
Communications Controller	Z85230
Electrical Interface	RS-232
Humidity Range	10 – 90% Relative Humidity, Non-Condensing
Host Interface(s)	PCI Express
Max Data Distance	50 feet (RS-232)
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