

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

MODEL ELK-PCI5402



KEY FEATURES

- ▶ 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
- ▶ Included fan-out cable terminates to four DB-25M connectors

DESCRIPTION

The ELK-PCI5402 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 120-pin high-density Molex connector to four DB-25M connectors. Terminal blocks, adapter cables other helpful accessories are available to facilitate rapid installation. The ELK-PCI5402 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 V4 driver. HDLC/SDLC protocols are supported as well as certain configurations of Monosync, Bi-sync, and Raw modes.

SPECIFICATIONS

Number of ports	4
Communications chip	Z85230
Max. data rate	128K bps (burst)
Max. data distance	50 feet (RS-232), 4000 feet (RS-485)
Operating Temperature	0 - +70°C
Storage Temperature	-50 - +105°C
Humidity Range	10 - 90% R.H.

ORDERING INFORMATION

MODEL	DESCRIPTION
ELK-PCI5402	PCI RS-232, RS-422, RS-485, RS-530, RS-530A, V.35 Synchronous Serial Interface (uses Z85230)
ELK-CA104	DB25 Male to DB25 Female 72" in Length
ELK-CA107	DB25 Female (RS-530) to DB-37 Male (RS-449 DTE), 10" in length
ELK-CA159	DB25 Female (RS-530) to DB-15 Male (X.21), 72" in Length Converts the Standard DB-25 Implementation of RS-530/422 to the ITU-T X.21 Standard
ELK-CA174	DB25 Female to DB25 Male, Twisted Pairs 72" in Length.
ELK-CA178	DB25 Female to ITU-T ISO-2593 Style Connector (V.35), 72" in Length Converts the ASAN ST DB-25 Implementation to the ITU-T V.35 Mechanical Standard
ELK-TB04	Terminal Block - DB25 Female to 25 Screw Terminals
ELK-KT104	Terminal Block Kit – ELK-TB04 + ELK-CA104 Cable

All Specifications within this document are subject to change without notice.



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