

PC/104 RS-232, RS-422, RS-485, RS-530, RS-530A, V.35 Synchronous Serial (uses Z85230)



KEY FEATURES

- ▶ Configurable for RS-232, RS-422, RS-485, RS-530, RS-530A, or V.35
- ▶ Z85230 Enhanced Serial Communications Controller (ESCC™)
- ▶ Various oscillators available for custom clock rates
- ▶ Selectable port address, IRQ level (3-5, 7, 9-12, and 15) and DMA channels
- ▶ 26-pin header connector

DESCRIPTION

The ELK-PC3512 high-speed serial interface module provides the PC/104 system with a direct high-speed RS-232, RS-422, RS-485, RS-530, RS-530A, or V.35 Sync/Async link to instruments requiring fast data flow. The RS-422 communication standard allows the ELK-PC3512 to communicate reliably at high speeds under harsh conditions, making it an ideal solution for industrial environments. Line noise, present in industrial environments, is eliminated over the RS-422 line. By utilizing RS-422, factory applications requiring long distance communications operate with high data integrity.

SPECIFICATIONS

Number of ports	1
Communications chip	85230-8 ESCC
Max. data rate	128K bps (burst)
Max. data distance	50 feet (RS-232), 4000 feet (RS-485)
RS-485 operation	Full Duplex (4 wire), Half Duplex (2 wire)
Operating Temperature	0 - +70°C
Storage Temperature	-50 - +105°C
Humidity Range	10 - 90% R.H.

ORDERING INFORMATION

MODEL	DESCRIPTION
ELK-PC3512	PC/104 RS-232/422/485/530/530A/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-CA118	26-Pin IDC Ribbon Cable to DB25 Male, 8" in Length
ELK-CA159	DB25 Female (RS-530) to DB15 Male (X.21) Cable, 72" in Length
ELK-CA178	DB25 Female (V.35) to ITU-T ISO-2593 Style Connector (V.35) Cable, 72" in Length
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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