

	<p>KEY FEATURES</p> <ul style="list-style-type: none"> ▶ Each port individually configurable for RS-232, RS-422, or RS-485 ▶ 16C864 buffered UARTs with 128-byte FIFOs ▶ Data rates to 921.6K bps ▶ Universal Bus (3.3V and 5V) compatible ▶ Automatic RS-485 enable/disable ▶ 36" cable terminates to eight DB-9M connectors
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DESCRIPTION

The ELK-PCI7804 is a multi-interface, eight port, Universal Bus (3.3V or 5V) compatible PCI adapter. Offering eight individual field-selectable RS-232, RS-422, or RS-485 channels, the ELK-PCI7804 delivers ultimate flexibility for expanding serial communications. The ELK-PCI7804 supports standard PC data rates and boasts a top speed of 921.6K bps. The board is designed using the XR16C864 UART, which provides a 128-byte FIFO, eight times larger than boards designed with 16C550 compatible parts. The larger buffers allow error free operation even in high-speed applications. In RS-485 mode the board provides automatic control of the RS-485 driver enable for trouble free network master arbitration. Additionally, RS-485 network termination, critical to robust multi-drop communication, can be selectively added to the circuit via DIP-switches.

SPECIFICATIONS

Number of ports	8
Communications chip	16C864
Max. data rate	921.6K bps
Max. data distance	Up to 4000 ft.
Operating Temperature	0 - +70°C
Storage Temperature	-50 - +105°C
Humidity Range	10 - 90% R.H.

ORDERING INFORMATION

MODEL	DESCRIPTION
ELK-PCI7804	PCI RS-232, RS-422, RS-485 Serial Interface
ELK-DB103	Converts DB9 Male RS-422 to Opto 22 Optomux Compatible DB9 Female
ELK-CA233	DB78 Male to DB78 Female, 72" in Length - Extension Cable
ELK-CA176	DB9 Female (RS-422) to DB25 Male (RS-530) Cable, 10" in Length
ELK-CA177	DB9 Female to DB25 Male 72" in Length Standard RS-232 Modem Cable
ELK-TB06	Terminal Block - Dual DB9 Female to 18 Screw Terminals
ELK-KT106	Terminal Block Kit —ELK-TB06 + (2)ELK-CA127 Cables

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



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