



# PCI 8-Port RS-232, RS-422, RS-485 Serial Interface

**Part:** 7804 | **Model:** Ultra COMM+8.PCI

The 7804 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 7804 delivers ultimate flexibility for expanding serial communications.

The 7804 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.

## Features & Specifications

### PCI 8-Port RS-232, RS-422, RS-485 Serial Interface

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#### Features

- Compliant with RoHS and WEEE directives
- 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 compatible (3.3V and 5V signaling)
- Requires 3.3V power on PCI bus
- Automatic RS-485 enable/disable
- Included 36" cable terminates to eight DB9M connectors (Item# CA145)

#### Specifications

<b>Communications Chip</b>	16C864
<b>Electrical Interface</b>	RS-232, RS-422, RS-485
<b>Humidity Range</b>	10 – 90% Relative Humidity, Non-Condensing
<b>Host Interface(s)</b>	PCI
<b>Max Data Distance</b>	4000 feet
<b>Max Data Rate</b>	921.6K bps
<b>Operating Temperature</b>	0°C to 70°C (32°F to 158°F)
<b>PC Bracket</b>	Standard Height
<b># of Ports</b>	8
<b>RoHS Compliant</b>	Yes
<b>Serial Connector(s)</b>	DB9M
<b>Storage Temperature</b>	-50°C to 105°C (-58°F to 221°F)
<b>UART Series</b>	850 UART