



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

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

The 7804c is a PCI compliant interface adapter with eight field selectable RS-232/422/485 asynchronous serial ports from a single PCI slot supporting data rates exceeding 1 Mbps for industrial automation and control applications.

Configure the serial ports as RS232 for standard serial COM port requirements. Choose the RS-422 mode for long distance device connections up to 4000ft. where noise immunity and high data integrity are essential. Select RS-485 and capture data from multiple peripherals in an RS485 multi-drop network. Up to 31 RS-485 compliant devices can be connected to each port to automate your data collection. You can even mix the ports in any of the electrical interface combinations to provide maximum flexibility in your application.

Under Windows, in RS-485 mode the transmitter is automatically enabled in hardware, eliminating the need for application software control. This allows the 7804c to be used with standard serial communications applications and removes the risk of bus contention and data corruption. In RS-232 mode, all modem control signals are implemented for maximum compatibility with a wide range of serial peripherals. The Sealevel SeaCOM for Windows software driver and utilities make installation and operation easy in Windows 7/10/11 and the 7804c works out of the box on many Linux distributions.

Features & Specifications

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Features

- Each port individually configurable for RS-232, RS-422, or RS-485
- Ultra high-speed UART with 256-byte Tx and Rx FIFOs
- Supports asynchronous data rates exceeding 1 Mbps
- Bus-derived 125 MHz BRG and clock prescaler support wide range of baud rates
- All modem control signals implemented in RS-232 mode
- Automatic RS-485 enable/disable in hardware
- RS-485 line termination, pull-up and pull-down resistors for each port are selectable via dipswitches
- RS-485 ECHO can be enabled/disabled via dipswitches
- Included 36" cable terminates to eight DB9M connectors (Item# CA145)

Specifications

Host Interface(s)	PCI
Communications Chip	Ultra high-speed UART
Electrical Interface	RS-232, RS-422, RS-485
# of Ports	8
Board Connector	DB78F
Cable Connector(s)	DB9M (8)
Serial Connector(s)	DB9M
Oscillator	125 MHz BRG
RoHS Compliant	Yes
PC Bracket	Standard Height
Max Data Distance	50 feet (RS-232), 4000 feet (RS-485)
Max Data Rate	Exceeds 1 Mbps
Operating Temperature	0°C to 70°C (32°F to 158°F)
Storage Temperature	-50°C to 105°C (-58°F to 221°F)
Humidity Range	10 – 90% Relative Humidity, Non-Condensing