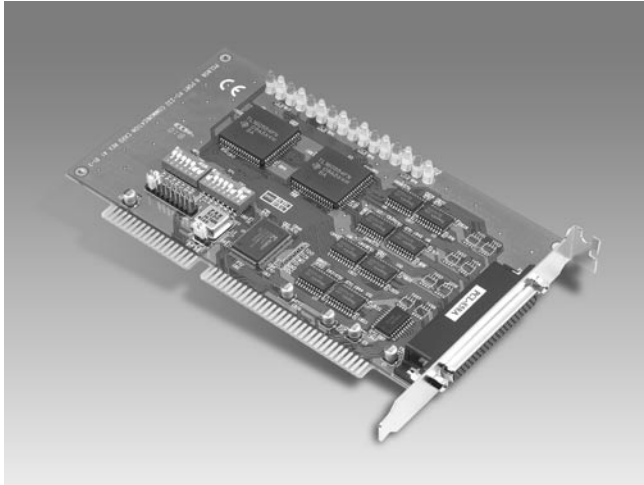


# PCL-858

## 8-port High-speed RS-232 Communication Cards



CE

### Features

- Eight independent RS-232 serial ports
- Transmission speed up to 921.6 kbps
- Independent I/O addresses, shared IRQ settings for each of 8 serial ports
- Wide IRQ selection: 3, 4, 5, 6, 7, 9, 10, 11, 12, 15
- Supports surge protection: 3000 V<sub>DC</sub> (PCL-858B only)
- Supports Windows® 98/2000/XP, Linux®
- Powerful and easy-to-use utility (ICOM Tools)

### Introduction

PCL-858 interface cards provide eight RS-232 serial communication ports, where each port can be configured individually using onboard jumpers. PCL-858A and PCL-858B each have two 16C554 UARTs, which make serial I/O more reliable. The PCL-858 cards support automatic addressing for all eight ports. All channels share the same interrupt (IRQ), and an interrupt status register can be used to determine the interrupt source. When an onboard interrupt occurs, the interrupt status register (vector address) indicates which port generated it. The shared interrupt can be set to most common (extended) AT interrupts. This simplifies programming, speeds up interrupt processing and frees up interrupts for other devices.

### Specifications

- **Ports** 8
- **I/O Address Range** From 000H to 3FFH
- **IRQ** 3, 4, 5, 6, 7, 9, 10, 11, 12, 15
- **Data Bits** 5, 6, 7, 8
- **Stop Bits** 1, 1.5, 2
- **Parity** None, even, odd
- **UARTs** 2 × 16C554 (PCL-858A/858B)
- **Speed** 50 bps ~ 921.6 kbps
- **Data Signals** TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
- **Surge Protection** 3000 V<sub>DC</sub> (PCL-858B only)
- **Power Consumption** +5 V @ 450 mA typical, 950 mA max.  
±12 V @ 140 mA typical, 240 mA max.
- **Dimensions** 185 × 100 mm (7.3" × 3.9")
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F)
- **Storage Temperature** -25 ~ 80° C (-13 ~ 176° F)

### Ordering Information

- **PCL-858A** 8-port high-speed RS-232 interface card (must choose Opt-8X)
- **PCL-858B** 8-port high-speed RS-232 interface card w/surge protection (must choose Opt-8X)
- **OPT8A** 8-port RS-232 (DCE) connection box with female DB25 connector
- **OPT8B** 8-port RS-232 (DTE) connection box with male DB25 connector
- **Opt8C** 8-port RS-232 cable with male DB-62 to DB25 connector (1m)
- **Opt8H** 8-port RS-232 cable with male DB-62 to DB9 connector (1m)