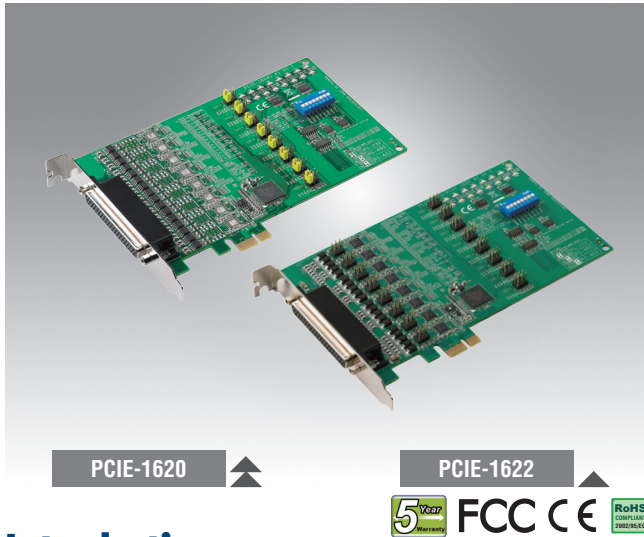


# PCIE-1620 PCIE-1622

## 8-Port RS-232 PCI Express Communication Card

## 8-Port RS-232/422/485 PCI Express Communication Card



### Features

- PCI Express bus 2.0 compliant
- Up to 921.6 kbps speed for extremely fast data transmissions
- Supports any baud rate setting
- 8 x RS-232 or RS-232/422/485 ports
- XR17V358 UART with 256-byte FIFOs
- Supports Windows XP/7/8/10, and Linux operating systems
- Board ID function for fixed COM ports

### Introduction

PCIE-1620 and PCIE-1622 are 8-port RS-232/RS-232/422/485 PCI Express communication cards, compatible with the PCI Express x1 specification. Featuring 8 EFT protected ports (up to 1,000 V) with high data transmission speeds (up to 921.6 kbps) and high-performance XR17V358 UARTs with 256-byte FIFOs to reduce CPU load, PCIE-1620 and PCIE-1622 are ideal for diverse applications in multitasking environments.

### Specifications

#### General

- **Bus Type** PCI Express bus 2.0 compliant
- **Bus Interface** PCI Express x1
- **Certification** CE, FCC class A
- **Connectors** 1 x DB62, female (PCIE-1620A/22A/22B)  
1 x DB78, female (PCIE-1622C)
- **Dimensions (L x H)** 168 x 111 mm (6.6" x 4.4")
- **Power Consumption** 260 mA @ +3.3 V (typ.)

#### Communications

- **Comm. Controller** XR17V358
- **Data Bits** 5, 6, 7, 8
- **Data Signals** RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD (PCIE-1620A/22B) TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI (PCIE-1622C) RS-422: Tx+, Tx-, Rx+, Rx- (PCIE-1620A/22A/22B) CTS+, CTS-, RTS+, RTS-, Tx+, Tx-, Rx+, Rx- (PCIE-1622C) RS-485: Data+, Data- (PCIE-1622)
- **FIFO** 256 bytes
- **Flow Control** DTR/DSR, RTS/CTS, Xon/Xoff
- **Parity** None, Odd, Even, Mark, or Space
- **Speed** 50 bps ~ 921.6 kbps
- **Stop Bits** 1, 1.5, 2

#### Protection

| Part Number | ESD Protection               | EFT Protection | Surge Protection | Isolation Protection |
|-------------|------------------------------|----------------|------------------|----------------------|
| PCIE-1620A  | 15KV (air),<br>8KV (contact) | 1000 V         |                  |                      |
| PCIE-1622B  | 15KV (air),<br>8KV (contact) | 1000 V         | 1000 V           |                      |
| PCIE-1622C  | 15KV (air),<br>8KV (contact) | 1000 V         | 1000 V           | 3000 V <sub>DC</sub> |

#### Software

- **Bundled Software** ICOM tools
- **OS Support** Windows XP/7/8/10 and Linux (check the software release note for versions supported)

#### Environment

- **Operating Humidity** 5 ~ 95% RH, non-condensing
- **Operating Temperature** -10 ~ 60 °C (14 ~ 140 °F)
- **Storage Temperature** -25 ~ 85 °C (-13 ~ 185 °F)

### Ordering Information

- **PCIE-1620A-BE** 8-port RS-232 PCI Express comm. card
- **PCIE-1622B-BE** 8-port RS-232/422/485 PCI-Express comm. card w/ surge
- **PCIE-1622C-AE** 8-port RS-232/422/485 PCI-Express comm. card w/ surge and isolation protection

#### Accessories

- **OPT8C-AE** 1 x DB62 to 8 x DB25 cable, 1 m (for PCIE-1620A-BE and PCIE-1622B-BE)
- **OPT8H-AE** 1 x DB62 to 8 x DB9 cable, 1 m (for PCIE-1620A-BE and PCIE-1622B-BE)
- **OPT8J-AE** 1 x DB78 to 8 x DB9 cable, 1 m (for PCIE-1622C-AE)