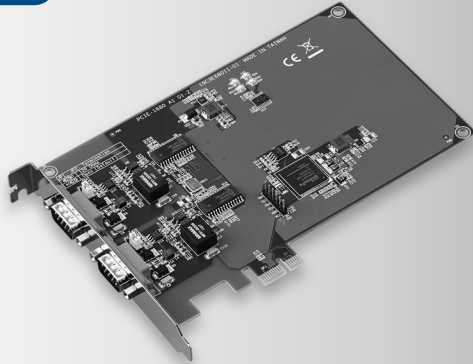


PCIE-1680

2-Port CAN-Bus PCIE card with Isolation Protection

NEW



FCC CE

Features

- PCIe bus specification 1.2 compliant
- Operates two separate CAN networks at the same time
- High speed transmission up to 1 Mbps
- 16 MHz CAN controller frequency
- Optical isolation protection of 2,500 V_{DC} ensures system reliability
- I/O address automatically assigned by PCI PnP
- Transmit/Receive status LED indicators
- Windows DLL library and examples included
- Supports Windows CE5/CE6/XP/7 driver and utility
- Supports Linux 2.4.xx / 2.6.xx; Intel x86 hardware platform

Introduction

The PCIE-1680 is a special purpose communication card that offers connectivity to Controller Area Networks (CAN) on your PC. With its built-in CAN controllers, the PCIE-1680 provides bus arbitration and error detection with an automatic transmission repetition. This drastically reduces the chance of data loss and ensures system reliability. You can run both CAN controllers independently at the same time. The PCIE-1680 operates at baud rates up to 1 Mbps.

Specifications

General

- **Bus Type** PCI Express V1.0
- **Certification** CE, FCC
- **Connectors** 2 x DB9 male connectors
2 x 10 pin box wafer (optional)
- **Ports** 2
- **Power Consumption** 3.3 V @ 600 mA (Typical)

Communication

- **CAN Controller** NXP SJA-1000
- **CAN Transceiver** NXP TJA1051T
- **Signal Support** CAN_H, CAN_L
- **Protocol** CAN 2.0 A/B
- **Data Transfer Rate(bps)** Programmable up to 1 Mbps
- **CAN Frequency** 16MHz

Protection

- **Isolation Protection** 2,500 V_{DC}

Mechanical and Environmental

- **Operating Temperature** 0 ~ 70°C (32 ~ 158°F)
(refer to IEC 60068-2-1, 2)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 5 ~ 95% Relative Humidity, non-condensing
- **Dimensions (L x W)** 168 x 100 mm(6.6" x 3.9")

Ordering Information

- **PCIE-1680-AE** 2-Port CAN-Bus PCIE card with Isolation Protection