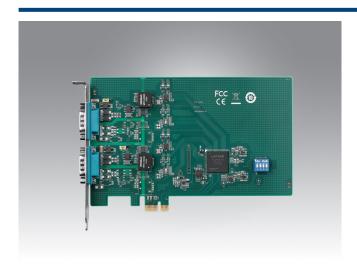
PCIE-1682F

2-Port CAN FD Bus PCIE Card with Isolation Protection



Features

- PCle bus specification 1.2 compliant
- 2 x Independent CAN ports
- Up to 8 Mbps transmission speeds
- 40 MHz CAN FD controller frequency
- Optical isolation protection of 2,500 V_{DC}
- Transmit/Receive status LED indicators

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Introduction

The PCIE-1682F is a purpose-built communication card that ensures CAN FD connectivity. With 2 independent CAN FD controllers built in, the PCIE-1682F enables bus arbitration and error detection with automatic transmission repetition, drastically reducing data loss and ensuring system reliability. Additionally, the PCIE-1682F operates at baud rates of up to 8 Mbps.

Specifications

General

Bus Type
Certification
Ce, FCC
Connectors
2 x DB9, male

Ports

• Power Consumption 3.3 V @ 630 mA (typical)

Communication

CAN FD Controller
CAN FD Transceiver
Signal Support
Protocol
Data Transfer Rate
Microchip MCP2518FDT-H
TI TCAN1057AVDRQ1
CAN_H, CAN_L
CAN 2.0 A/B, CAN FD
Programmable up to 8 Mbps

• CAN Frequency 40MHz

Protection

■ Isolation Protection 2,500 V_{DC}

Mechanical and Environmental

Operating Temperature
Storage Temperature
Operating Humidity
Dimensions (L x H)
40°C to 85°C (-40°F to 185°F)
Up to 90% RH, non-condensing
175 x 100 x 18 mm³ (6.9 x 3.9 x 0.7 in.³)

Ordering Information

■ **PCIE-1682F-A** 2-Port CANFD Bus PCIE Card with Isolation Protection

Accessories

• **OPT1-DB9E-AE** DB9 to 10-pin wiring board