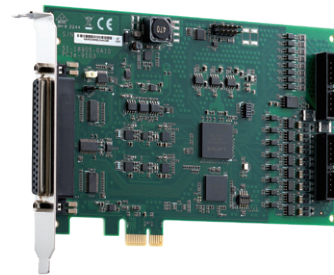


PCIe-9103

32 Channels, Multiplexer, High Performance Multifunction Data Acquisition Card



Features

- PCI Express bus
- 32 single-ended or 16 differential analog input channels
- 16-bit high A/D resolution
- Onboard 4k-sample A/D FIFO
- Supports programmable voltage input range of $\pm 10V$, $\pm 5V$, $\pm 2.5V$, $\pm 1.25V$, $\pm 0.625V$, $\pm 0.3125V$
- Up to 1024 programmable gain amplifiers
- 16-ch TTL isolation digital input/16-ch TTL isolation digital output
- 1 independent full function general purpose timer counter
- Direct memory access channels offload CPU utilization
- Internal software and external digital/analog trigger support
- Fully automated calibration
- Board ID switch

Introduction

The PCIe-9103 is a PCI Express multi-function data acquisition card for industrial applications featuring a high sample rate, high resolution and high density I/O design which allows for easier integration of multiple functions in a single card useful in a variety of applications including data logging, process control, and condition monitoring.

Feature Support

- **Supported Operating Systems**
Windows 7/10/11 x86/x64 or later, Linux
- **Drivers and SDK**
LabVIEW, C/C++, Visual Basic, Visual Studio.NET
- **Software Utilities**
ACE, Soft-Front Panel

Key Benefits

- High density design with many input/output functions.
- Programmable gain amplifiers for higher analog input accuracy.
- Direct memory access channels offload CPU utilization.
- Easy to use utility/SDK simplifies design effort.

Ordering Information

- **PCIe-9103**
32-ch 16-bit 500KS/s Multifunction DAQ

Terminal Boards & Cables

- **DIN-37D-01**
Terminal board with one 37-pin D-sub connector and DIN-rail mounting (cables not included.)
- **ACL-10137-1MM**
37-pin D-sub male/male cable, 1 M
- **ACL-10120-1**
20-pin flat cable, 1 M

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