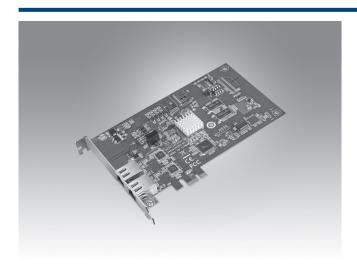
PCIE-1203L

Basic EtherCAT PCIE MDevice Card



Features

- 667MHz dual-core ARM processor
- 2 x EtherCAT ports for high-performance of motion and I/O applications
- Supports common motion SDK for rapid application development
- Up to 64 axes support for motion control
- Supports point to point move
- Supports 2 axis linear interpolation
- Supports programmable acceleration/deceleration rate
- Programmable interrupt
- RDY dedicated input channels & SVON/ERC dedicated output channels are switchable for general input and output purposes
- Diagnostics for fast error handling car trace command and error message



ROHS CEFE

Introduction

The PCIE-1203L is a 2-port EtherCAT PCI Express Card. It is a ready-to-use EtherCAT development platform (cr. a. PC-based industrial automation. The EtherCAT protocol stack is executed autonomously on the card. It allows the host to handle up to two EtherCAT networks with extrem "sh rt cycle time for Motion and pure I/O applictions. For EtherCAT motion port, communication cycle time is up to 250us and for fast I/O ports the cycle time is no more than 2. Ous in a high speed I/O system. Real-time and high-precision capability are features of PCIE-1203. In addition, all Advantech motion controllers use the "Common Motion." Policy are interesting the programming interface and graphical utility. This architecture saves application maintenance and upgrades. Programmers can benefit 'rom using any Advantech SoftMotion controller without changing large amounts of the application code. User-friendly examples decrease programming load, helping users complete configuration and diagnosis easily.

Specifications

EtherCAT

Number of Rings 2 (Motion x 1, I/O x 1)

CAT5 UTP/STP Ethernet cable and above Cable Type

Cycle Time Motion: up to 500us

I/0: 200 us

■ Communication Motion Slave 64 Servo Drive Ma

 Communication IO Slave 1024-CH DI and 1024-CH DO

128-CH , I and 128-CH AO

General

Bus Type PCI Express Certification CE, FCC Class A Connectors 2 x RJ45

 Dimensions (L x H) 175 x 100 mm (6.9" x 3.9") Power Consumption 5 V_{DC} @ 0.5 A typical

Humidity 5 ~ 95% RH, non-condensing (IEC 60068-2-3)

 Operating Temp. $0 \sim 60^{\circ}\text{C} (32 \sim 140^{\circ}\text{F})$ Storage Temp. -20 ~ 85°C (-4 ~ 185°F)

Ordering Information

■ PCIE-1203L-10A Basic 10-Axis EtherCAT PCIE MDevice Card

■ PCIE-1203L-16A Basic 16-Axis EtherCAT PCIE MDevice Card

■ PCIE-1203L-32A Basic 32-Axis EtherCAT PCIE MDevice Card

■ PCIE-1203L-64AE Basic 64-Axis EtherCAT PCIE MDevice Card