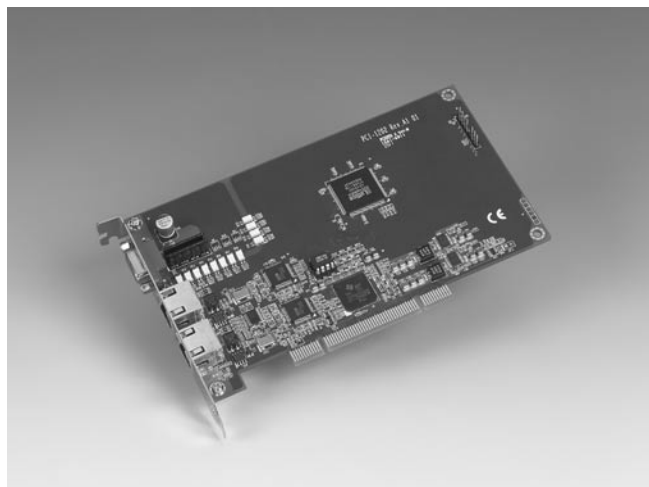


PCI-1202

2-port AMONet™ RS-485 Master Card



CE

Features

- Max. 20 Mbps transfer rate
- 2 independent AMONet™ RS-485 Master Rings
- Max. 128 AMONet™ RS-485 slave modules supported
- Programmable digital input to notify events
- Easy installation with RJ45 phone jack and LED diagnostic

Introduction

PCI-1202 is a PCI interface card which supports two AMONet™ RS-485 master ports, and transfers data between host and slaves directly without any operations in between. Each port of the master can control up to 2048 I/O points, 64 axes, or a combination of I/O points and axes for motion control. The master ports support up to 20 Mbps transfer rate and a maximum communication distance of up to 100 meters.

The communication between master and slave is based on a customized RS-485 solution that saves wires, covers a long distance, supports high-speed communication and has time-deterministic features. The communication interface between master and host PC is accomplished by memory mapping. Various functions can be chosen on the slave modules, and standard industrial DIN rail mounting design makes it easy to distribute them in the field. The master collects information from slave modules and publishes the information to its host PC.

Specifications

AMONet RS-485 Motion Control

- **AMONet RS-485 Rings** 2
- **Interface** Isolated half-duplex RS-485
- **Cable Type** CAT5 UTP/STP Ethernet cable
- **Surge Protection** 10 kV
- **Transmission Speeds** 2.5, 5, 10, and 20 Mbps
- **Data Flow Control** Automatic
- **Communication Distance** 100 m @ 20 Mbps w/32 slave modules
- **Slave Module Support** Digital I/O, motion control. analog I/O

Isolated Digital Input

- **Channels** 8
- **Input Voltage** Logic 0: 3 V max.
Logic 1: 12 V min. (30 V max.)
- **Isolation Protection** 2,500 V_{DC}
- **Input Resistance** 2.4 kΩ @ 0.5 W

Isolated Digital Output

- **Channels** 4
- **Output Type** Open collector
- **Isolation Protection** 2,500 V_{DC}
- **Output Voltage** 5-30 V_{DC}
- **Sink Current** 10mA/ch, 50mA max.

General

- **Bus Type** PCI V2.2
- **Certifications** CE
- **Connectors** DB15 x 1, RJ45 x 2
- **Dimensions** 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 68-2-3)
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F)
- **Storing Temperature** -20 ~ 85° C (-4 ~ 185° F)

Ordering Information

- **PCI-1202** 2 port AMONet™ RS-485 master card
- **ADAM-3210** 1-axis AMONet™ RS-485 Motion Slave Module
- **ADAM-3211/PMA** 1-axis AMONet™ RS-485 Motion Slave for Panasonic® Minas A
- **ADAM-3212/J2S** 1 axis AMONet™ RS-485 slave for Mitsubishi® MR-J2S
- **ADAM-3213/YS2** 1-axis AMONet™ RS-485 Slave for Yaskawa® Sigma-II
- **ADAM-3752FN** 32-CH AMONet™ RS-485 Digital Input Module
- **ADAM-3754FN** 32-CH AMONet™ RS-485 Digital Output Module
- **ADAM-3756FN** 16-CH/16 CH AMONet™ RS-485 Digital Input/Output Module
- **ADAM-3934D** Wiring board for Dual 34-pin flat cable
- **ADAM-3915** Wiring board for D-sub 15-pin
- **PCL-10120M-2** SCSI 20-pin cable, 2m (Optional for ADAM-3212/J2S)
- **PCL-10150M-2** SCSI 50-pin cable, 2m (Optional for ADAM-3211/PMA and ADAM-3213/YS2)
- **PCL-10134-1** 34 Pin Flat cable, 1M
- **PCL-10115-1** D-sub 15-pin cable, 1M