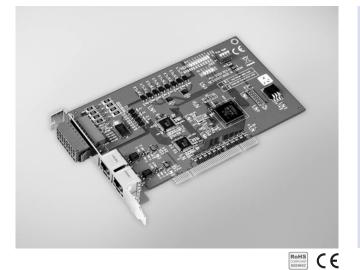
PCI-1202U

2-port AMONet RS-485 PCI Master Card



Features

- Max. 20 Mbps transfer rate
- 2 x 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-1202U is a PCI interface card which supports two AMONet RS-485 master rings, and transfers data between host and slaves directly without any operations in between. Each ring can control up to 2048 I/O points, 256 axes, or a combination of I/O points and axes for motion control. The ring can 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
- Cable Type

Half duplex RS-485 CAT5 UTP/STP Ethernet cable and above 10 kV

- Surge Protection Transmission Speeds 2.5, 5, 10, and 20 Mbps
- Data Flow Control
- Communication 100 m @ 20 Mbps w/32 slave modules Distance (Max.)

8

4

Isolated Digital Input

- Channels
- Input Voltage
- Dry contact (but need external voltage source) Isolation Protection 2,500 V_{DC}
- Input Resistance

Isolated Digital Output

- Channels
- Output Type
- Isolation Protection
- Output Voltage $10 \sim 30 V_{DC}$
- Sink Current 1 ch: Max. 1A 4 ch: Max. 1.1A (total)

General

- Bus Type
- Certifications CE
- Connectors
- Dimensions (L x H)
- Power Consumption +5 V_{DC} @ 0.5 A typical
- Humidity
- **Operating Temperature** $0 \sim 60^{\circ} \text{ C} (32 \sim 140^{\circ} \text{ F})$
- Storage Temperature -20 ~ 85° C (-4 ~ 185° F)

Ordering Information

- PCI-1202U AMAX-2241/PMA
- AMAX-2242/J2S
- AMAX-2243/YS2
- AMAX-2752SY
- AMAX-2754SY
- AMAX-2756SY
- 16/16-ch Isolated Digital I/O AMONet Module 20-pin SCSI Cable, 2 m

Universal PCI V2.2

175 x 100 mm (6.9" x 3.9")

5 ~ 95% RH, non-condensing (IEC 68-2-3)

2-port AMONet RS-485 PCI Master Card

4-axis AMONet Motion Module for Panasonic Minas A

4-axis AMONet Motion Module for Mitsubishi MR-J2S

4-axis AMONet Motion Module for Yaskawa Sigma-II

32-ch Isolated Digital Input AMONet Module

32-ch Isolated Digital Output AMONet Module

2 x RJ45

- PCL-10220M-2 PCL-10150M-2
 - 50-pin SCSI Cable, 2 m

AD\ANTECH

- Automatic
- Slave Module Support Digital I/O, Motion Control, Analog I/O

2.4 kW @ 0.5 W

Open collector

2,500 V_{DC}