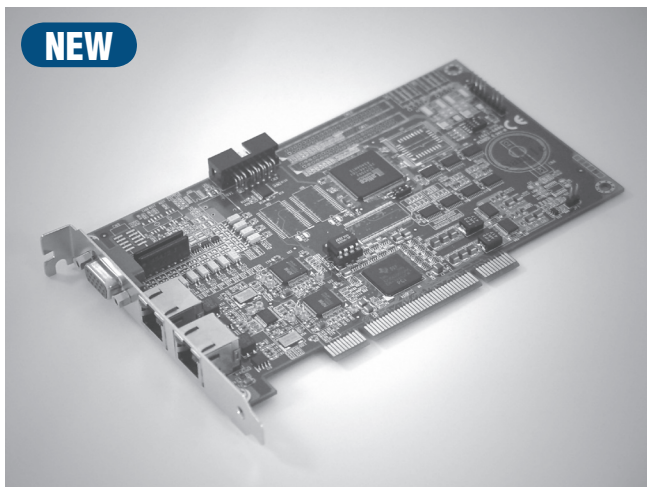


PCI-1202

2-Port AMONet™ RS-485 Master Card

NEW



CE

Features

- Max. 20 Mbps transfer rate
- 2 independent AMONet™ RS-485 Master Rings
- Max. 128 AMONet™ RS-485 slave modules support
- 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.

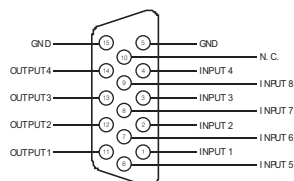
Specifications

- **AMONet RS-485 Rings** 2
- **Transmission Speed** 2.5, 5, 10 and 20 Mbps with automatic data flow control
- **Serial Interface** Half duplex RS-485 with transformer isolation
- **Cable Type** CAT5 UTP/STP Ethernet cable
- **Surge Protection** 10 kV
- **Communication Distance** Max. 100 m (20 Mbps/64 slave modules)
- **Communication Slave Module number** 128 (2 rings with 64 slaves each)
- **Digital Input** 8-Ch isolated, sink type, 0-24 V_{DC}, Max. 50 mA current, 10 mA sink current
- **Digital Output** 4-Ch isolated, open collector type, 5-30 V_{DC} voltage PCI Spec. 2.2; supports 32-bit, 3.3 V/5 V_{DC} operation
- **Power Consumption** +5V_{DC} at 0.5 A typical
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° 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-3752** 32-CH AMONet™ RS-485 Digital Input Module
- **ADAM-3754** 32-CH AMONet™ RS-485 Digital Output Module
- **ADAM-3756** 16-CH/16 CH AMONet™ RS-485 Digital Input/Output Module
- **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)

Pin Assignments



DIO Dsub-15 pins Definition

1

Software

2

IPPC

3

TPC

4

FPM

5

ATM & AWS

6

DA&C

7

cPCI

8

ADAM-3000

9

Motion Control

10

ICOM

11

eConnectivity

12

UNO

13

ADAM-4000

14

ADAM-5000

15

ADAM-6000

16

ADAM-8000

17

BAS