

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

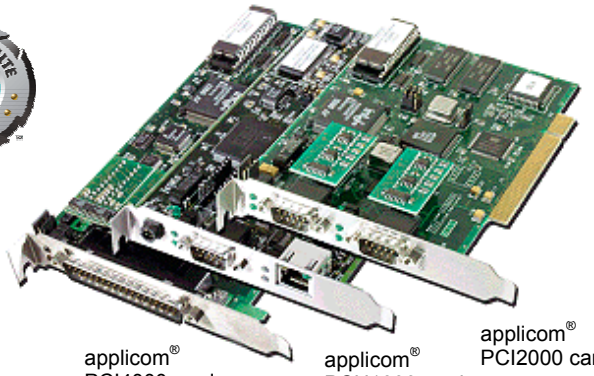
applicom® Serial cards allow you to connect your computer to industrial networks.

applicom® is the easiest and trouble free solution for data acquisition between PC-Based applications and industrial world.

25 Apr. 06
DW2005103

Serial Network Interface Cards

Best choice for SCADA/HMI applications



applicom® PCI4000 card

applicom® PCU1000 card (RoHS + 3.3V)

applicom® PCI2000 card

Features

- **1, 2 or 4 Serial ports**
- **Large choice of Serial protocols, all included in the package.**
- **Certified with more than 50 SCADA/HMI packages**
- **On-board processor eliminates data bottle necks, ensuring delivery of time critical information**

Electrical Interfaces available:

- **RS232C**
- **RS485 / RS422**
- **Current Loop**
- **Profibus RS485**

all with or without galvanic insulation (opto couplers).

- **Speed: 50 to 38.400 Kbps**
- **Embedded Database (32 Kwords + 32 Kbits)**
- **Gateway feature with PCI4000**
  Serial ↔Serial
  Serial ↔Profibus
- **Complete and user-friendly package:**
  - **All components in the box software+hardware**
  - **2 years of hardware warranty**
  - **Local technical support with worldwide representation**
  - **1 driver / 1 configuration tool for all protocols**
  - **Graphical User Interface**

Supported OS

Standard package

- **Windows 32-bit (XP / 2000 SP3 / NT SP6)**

Free Web Download

- **Windows XP Embedded, VenturCom RTX, VxWorks, QNX, Linux, DOS**

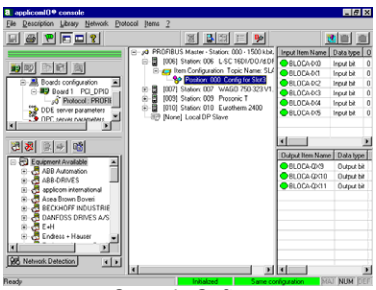
Overview

applicom® is a range of intelligent communication solutions, complete and ready to use covering more than 40 protocols among a wide choice of industrial networks and fieldbuses: Ethernet TCP/IP, Profibus, Modbus Plus, Data Highway Plus, WorldFIP and Serial Links. These solutions connect your PC-based applications (HMI, SCADA, MES, Custom applications) to industrial equipment (programmable controller, I/O modules, devices...).

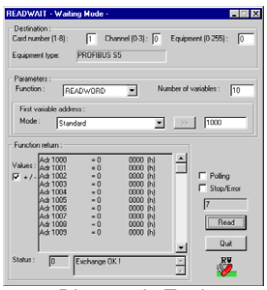
Thanks to applicom® smart technology- built-in processor, each interface cards is able to execute all management and the processing (polling, frame management, etc.) of communications protocols, resulting in extremely fast, efficient application performance.

The applicom® software package includes:

- Graphical configuration software.
- Test and network diagnostic tools.
- Data servers
  - ✓ OPC DA v1.0a, v2.05 and v3.0 (including an OPC client with its source code)
  - ✓ ActiveX Control + VBA code source generator
  - ✓ Wonderware I/O Server (DAServer, DDE, FastDDE, SuiteLink)
- Development libraries
  - ✓ DLL Library
  - ✓ MS Visual Studio (.NET/C#/VB/C++/C), Borland Delphi
  - ✓ National Instruments (LabWindows CVI, LabVIEW/VI)▲



- Console Software -



- Diagnostic Tool –

Woodhead

BradCommunications™

Network Interface

Technical Specifications

	applicom® PCU1000 (3.3V / 5V)	applicom® PCI2000 (5V)	applicom® PCI4000 (5V)
	 (RJ45 port is not usable)		
Key Benefits	• **New! RoHS compliant** • **On-board processor** • **PCI Universal 3.3V / 5V**	• **On-board processor** • **Gateway feature on 2 ports version**	• **On-board processor** • **Gateway on 2 ports** • **Mixed up to 4 Serial or Profibus[2] ports**
Hardware			
Unit:	PCI Universal (3.3V / 5V), short card, single slot	PCI (5V), short card, single slot	PCI (5V), short card, single slot
Processor:	AMD SC520 - 133 MHz	Intel 80386EX - 24 MHz	Intel 80386EX - 30 MHz
Memory:	16 Mbytes	4 Mbytes	4 Mbytes
Interruption:	Hardware Plug&Play	Hardware Plug&Play	Hardware Plug&Play
DPRAM Address:	Hardware Plug&Play (32 Kbytes)	Hardware Plug&Play (2 Kbytes)	Hardware Plug&Play (32 Kbytes)
Digital I/O:	1 Digital Input / 1 Digital Output	1 Digital In + 1 Digital Out[1]	1 Digital Input / 1 Digital Output
Dimensions (LxW):	168mm x 107mm (6.61" x 4.21")	145 x 106mm (5.70" x 4.17")	175 x 107mm (6.89" x 4.21")
Consumption:	5.5 W	4 W	4 W
Operating T°:	0° C (32° F) ↔ +70° C (149° F)	0° C (32° F) ↔ +70° C (158° F)	0° C (32° F) ↔ +70° C (158° F)
Storage T°:	-40° C (-40° F) ↔ +85° C (185°)	-40° C (-40° F) ↔ +80° C (176°)	-40° C (-40° F) ↔ +80° C (176°)
EMC Compliance	Yes, Industrial and Office use	Yes, Industrial and Office use	Yes, Industrial and Office use
RoHS Compliant	Yes	No	No
Com port			
Port type:	1 Asynchronous Serial port	PCI1000: 1 Async. Serial port PCI2000: 2 Async. Serial ports	4 Asynchronous Serial or Profibus[4] ports
Connector:	D-Sub, 9 pin, male	D-Sub, 9 pin, male	D-Sub, 37 pin, male (see Remote Serial Splitter Box accessories).
LED Indicators:	2 leds: TX / RX	2 leds: TX / RX	On Remote Serial Splitter Box
Electrical Interface[3]:	RS485/422, galvanic insulation (500 V)	RS485/422, galvanic insulation (500 V)	RS485/422
Baud Rate:	50 bps ↔ 38400 bps	50 ↔ 38400 bps	50 bps ↔ 38400 Kbps

(1): The discrete Input/Output's are mounted on a special bracket (ref: IOSPKIT), and require an additional PC rear panel slot.
(2): Profibus ports available via Remote Serial Panels BX4010 or BX4010R.
(3): Also available on option: RS232 (2 or 6 wires), Current Loop 20mA by modifying the daughter card electrical interface.
(4): 1 x 500 Kbps Profibus port + 3 x 9600 bps Serial ports
2 x 187.5 Kbps Profibus port + 2 x 9600 bps Serial ports

Accessories for applicom® PCI-4000 card

Remote Serial Splitter Boxes

A variety of remote serial splitter boxes are available to split the D-Sub 37 pin port of the applicom® PCI-4000 card into 4 D-Sub distinct ports. A junction cable is used to connect the card to the remote panel.

BR4000



Format:	Desktop version
Port Type:	4 Serial ports, 9 pin, D-Sub male
Dimensions (LxWxH):	185 x 110 x 30 mm (7.28 x 4.33 x 1.18”)
Junction cable:	1.5m (4.92”)
Operating T°:	0° C (32° F) ↔ +65° C (149° F)
Storage T°:	-40° C (-40° F) ↔ +80° C (176°)

BX4010



Format:	Desktop version with galvanic insulation (2500V) based on opto couplers
Port Type:	4 Serial ports, 9 pin, D-Sub male
Dimensions (LxWxH):	275 x 175 x 67 mm (10.83 x 6.89 x 2.64”)
Junction cable:	1.5m (4.92”)
Operating T°:	0° C (32° F) ↔ +65° C (149° F)
Storage T°:	-40° C (-40° F) ↔ +80° C (176°)
LED Indicators:	2 leds: TX / RX
Power supply:	110V / 230V AC (internal switch)

BX4010R

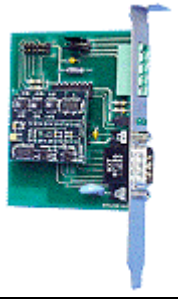


Format:	1U-19” rack version with galvanic insulation (2500V) based on opto couplers
Port Type:	4 Serial ports, 9 pin, D-Sub male
Dimensions (LxWxH):	483 x 200 x 45 mm (19.02 x 7.87 x 1.77”)
Junction cable:	1.5m (4.92”)
Operating T°:	0° C (32° F) ↔ +65° C (149° F)
Storage T°:	-40° C (-40° F) ↔ +80° C (176°)
LED Indicators:	2 leds: TX / RX
Power supply:	110/V / 230V AC (internal switch)

External Discrete Input / Output

The discrete Input / Output’s are mounted on a special bracket, and require an additional rear panel slot.

IOSPKIT



Discrete Input:	Opto-coupled discrete input Voltage -> DC +10 to +30 or AC 24 V (50 to 60 Hz)
Discrete Output:	"WatchDog" contact output LED; contact free from potential (floating) (24V DC, 0.25 A)
Connector Type:	4-pin, Screw terminal connector

Serial Network Interface Cards



Protocols (all included with the package)

Serial	• Allen-Bradley - DF1 (PLC-5 and SLC Series)	**M, C / S**
	• GE Fanuc / Alstom - SNPX (90-XX and 80-XX Series)	**M**
	• Elsag Bailey - Data Link (5000 & 2000 Series)	**M**
	• Modbus RTU / ASCII	**M / S**
	• Moeller Group - SucomA (PS32, PS316 Series)	**M**
	• Omron - Sysmac Way	**M**
	• Saïa Burgess - S-Bus (PCD Series)	**M**
	• Siemens - 3964/3964R Free or RK512	**M, C / S**
	• Siemens - AS511 (S5 Series)	**M**
	• Siemens - PPI / PPI+ (S7-200 Series)	**M**
	• Siemens - TI-Dir (TI-505 Series)	**M**
	• Schneider Electric - Uni-Telway (TSX 17, 37, 57)	**M / S, C / S**
	• Development toolkit for Serial protocols	**M / S**

Profibus	• Profibus-DP	**M**
	• FDL S5 (Simatic S5 95U, 115U, 135U, 155U)	**M**
	• Siemens - S7 / MPI (S7-300, S7-400 Series)	**M**
	• FDL Send/Receive	**C / S**
	• Profibus-FMS (on request)	**M, C / S**

M: Master, **S**: Slave, **C**: Client, **S**: Server

Ordering Information

Part Number	Description
APP-SR1-PCU	applicom® PCU1000, 1 Serial RS485/RS422 port, RoHS compliant and PCI (3.3V / 5V)
APP-SR2-PCI	applicom® PCI2000, 2 Serial RS485/RS422 ports, PCI (5V)
APP-SR4-PCI	applicom® PCI4000, 4 Serial RS485/RS422 ports, PCI (5V)
APP-INT-232-N	RS232 electrical interface without galvanic insulation (2 units)
APP-INT-232-G	RS232 electrical interface with galvanic insulation (1 unit)
APP-INT-485-N	RS485/RS422 electrical interface without galv. insulation (2 units)
APP-INT-485-G	RS485/RS422 electrical interface with galvanic insulation (1 unit)
APP-INT-CL2-N	Current Loop 20 mA electrical interface (passive) (2 units)
APP-INT-PFB-G	Profibus 485 electrical interface with galvanic insulation (1 unit)
APP-SBX-BRD(1)	BR4000 Remote Serial Splitter Box, desktop version, 4 ports
APP-SBX-BXD(1)	BX4010 Remote Serial Splitter Box, desktop version, 4 ports, galvanic insulation
APP-SBX-BXR(1)	BX4010R Remote Serial Splitter Box, 19" 1U Rack Mountable, 4 ports, galvanic insulation

(1): Accessories for applicom® PCI4000 cards.

Other related products available:
- Combo solutions (Serial ↔ Ethernet/Profibus/Modbus Plus/ Fipway)
- Various form factors (CompactPCI, PC/104)
- Software solution based on PC Serial port

BradCommunications™
from Woodhead Industries

For product and technical information, Visit: www.woodhead.com

North America: US +1 800 225 7724 – Canada +1 519 725 5136
Europe: France, +33 2 32 96 04 20 – Germany, +49 711 782 3740 – Italy, +39 010 59 30 77 – United Kingdom, +44 1495 356300
Asia: China, +86 21 50328080 – Singapore, +65 261 6533 – Japan, +81 3 5791 4621

BradCommunications and applicom are trademarks of Woodhead Industries, Inc. © 2006 Woodhead Industries, Inc.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP