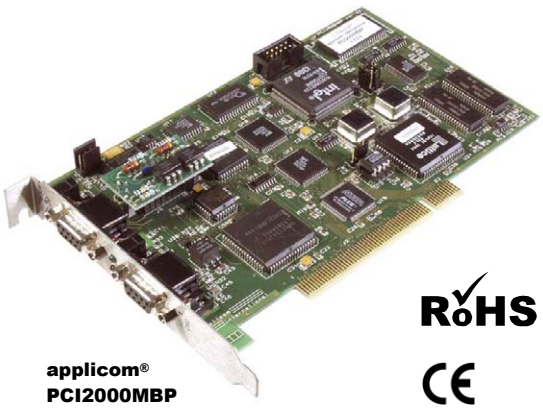
applicom® Modbus Plus card allows you to connect your computer to industrial networks.

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

22 Apr. 10
DW2005100

Modbus Plus Interface Card

Best choice for SCADA/HMI application



applicom®
PCI2000MBP

Features

- **All protocols included in the package**
- **Free Full technical support during 2 years of hardware warranty**
- **On-board processor eliminates data bottle necks, ensuring delivery of time critical information**
- **Certified with more 50 major SCADA/HMI packages**
- **Combo Offer = Modbus Plus + Modbus on the same card**
- **Modbus Plus Redundancy on the second port**
- **Powerful Modbus plus diagnostic tools**
- **Compatible with third-party products Modbus Plus programming software**

Supported OS

Standard package

- **Windows 32-bit (Vista / XP / 2003 server)**

Free Download

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

Woodhead is a Partner of Collaborative Automation Program

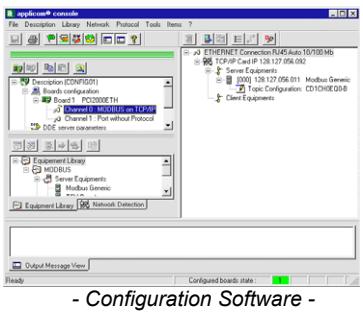
Overview

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)▲



- Configuration Software -

- OPC Server -

Brad Communications™

Modbus Plus Interface Card

Network Interface

Communication Ports

1 Modbus Plus port

Port Type:	1 Modbus Plus port
Connector:	9-pin, D-Sub female
LED Indicators:	2 leds - TX / RX
Speed:	1 Mbps (Token Ring)

+

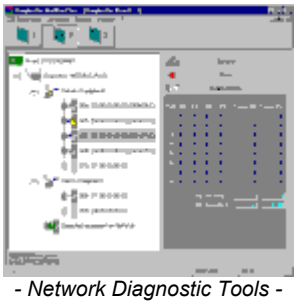
1 Serial port

Port Type:	1 asynchronous Serial port
Connector:	D-Sub, 9 pin, female
LED Indicators:	2 leds - TX / RX
Electrical Interface:	RS485/RS422 with galvanic insulation (500 V)
Speed:	50 bps to 38.400 Kbps

or

1 Modbus Plus redundant port

Port Type:	1 Modbus Plus port
Connector:	9-pin, D-Sub female
LED Indicators:	2 leds - TX / RX
Speed:	1 Kbps (Token Ring)



- Network Diagnostic Tools -

Hardware Specifications

Unit:	PCI 5V bus
Processor:	Intel 80386EX – 32 MHz
Memory:	4 Mbytes SDRAM
Flash Memory:	512 Kbytes
Interruption:	Hardware Plug&Play
DPRAM Address:	Hardware Plug&Play (8 Kbytes used per board)
Digital I/O:	Opto-coupled discrete input Voltage -> DC +10 to +30 or AC 24 V (50 to 60 Hz) "Watchdog" output contact free from potential (floating) (24V DC, 0.25 A)
Dimensions (L x W):	175mm x 107mm (6.89" x 4.17")
Consumption:	4W (max. 0.8A)
Temperature:	Operating: 0° C (32° F) up to +65° C (149° F) Storage: -40° C (-92 F) up to +80° C (176° F)
EMC Compliance:	EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3
RoHS	Yes

Protocols (all included in the package)

Modbus Plus	• Modbus Plus - all Modbus Plus Client/Server devices	
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**

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

Ordering Information

Part Number	Product description
APP-MBP-PCI-C	applicom® PCI2000MBP Modbus Plus Network Interface card
Interface lines APP-INT-232-G/N APP-INT-CL2-N	▪ RS232 interface line with or without galvanic insulation, in option ▪ 20mA passive Current loop interface, in option

Brad® from molex

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