



applicom® Profibus interface cards allow you to connect your computer to Profibus DP, MPI/S7, FDL Networks.

applicom® is the easiest and trouble free solution to quickly connect your PC-Based application to the industrial world.

Profibus Network Interface Cards

Best choice for SCADA/HMI applications

Features

- **NEW ! RoHS compliant**
- **Complete and user-friendly package**
 - ▶ All components in the box
 - ▶ 2 years of hardware warranty
 - ▶ Local technical support with worldwide representation
 - ▶ 1 driver / 1 configuration tool for all protocols
 - ▶ Graphical User Interface
 - ▶ Network diagnostic and test tools
- **COMBO protocol: Run all Profibus protocols simultaneously (DP, S7, MPI, FDL, etc)**
- **On-board processor eliminates data bottle necks, ensuring delivery of time critical information**
- **Each card onboard an internal Data Base (32 Kwords + 32 Kbits)**
- **Compatible with:**
 - ▶ Simatic® S7 Series (S7-300, S7-400)
 - ▶ Simatic® S5 Series (95U, 115U, 135U, 155U)
- **Certified with more 50 major SCADA/HMI packages**

Supported OS

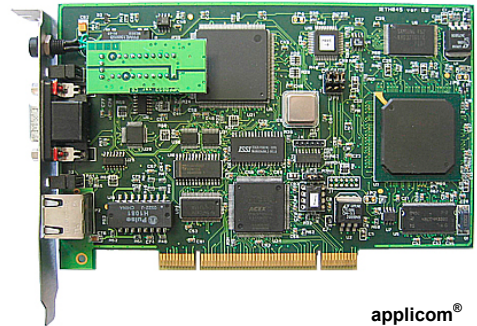
Standard package

- Windows 32-bit (XP / 2003 Server / 2000 SP3 / NT SP6)

Free Web Download

- Windows XP Embedded, VenturCom RTX, VxWorks, QNX, Linux, Dos

Woodhead is a member of PTO (PROFIBUS Trade Organization), PNO (PROFIBUS Nutzerorganisation e. V.) and France Profibus.



applicom®
PCU1500PFB / PCU1500S7



Overview

Based on a unique industrial communications concept, applicom® network interface cards are the **fastest, open, trouble-free** solution for interfacing PC-based applications (HMI, SCADA, MES, RDBM, spreadsheets, custom applications) and devices (PLCs, I/O modules, etc.) connected to industrial networks.

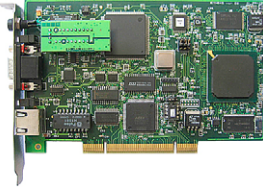
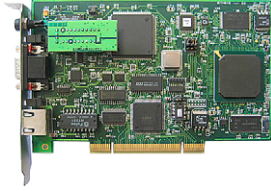
Thanks to smart technology, all applicom® cards (on-board processor) are able to execute all management and the processing of communications protocols (polling, frame management, etc.), resulting in **extremely fast, reliable, efficient application performance**.

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)▲



Technical data

	applicom® PCU1500PFB	applicom® PCU1500S7
		
Key Benefits	• Run all Profibus protocols simultaneously • Universal PCI 3.3 V / 5V (PCI-X compatible) • RoHS compliant • On-board processor	• Universal PCI 3.3 V / 5V (PCI-X compatible) • Economic solution - Dedicated to Siemens Simatic® S7 • RoHS compliant • Run FDL & S7 simultaneously • On-board processor
Hardware		
Unit	PCI 2.2, short card, single slot, 3.3V/5V	PCI 2.2, short card, single slot, 3.3V/5V
Processor	AMD SC520 - 133 MHz	AMD SC520 - 133 MHz
ASIC	–	–
Memory	16 Mbytes SDRAM	16 Mbytes SDRAM
Flash Memory	4 Mbytes	4 Mbytes
Interrupt	Hardware Plug&Play	Hardware Plug&Play
DPRAM Address	Hardware Plug&Play (32 Kbytes)	Hardware Plug&Play (32 Kbytes)
Discrete Input	Opto-coupled discrete input, Voltage -> +10 to +30 DC or 24 V AC (50-60 Hz)	Opto-coupled discrete input, Voltage -> +10 to +30 DC or 24 V AC (50-60 Hz)
Discrete Output	« Watchdog » output contact free from potential, (floating) (24V DC, 0.25A)	« Watchdog » output contact free from potential, (floating) (24V DC, 0.25A)
Dimensions (LxW)	168mm x 107mm (6.61" x 4.21")	168mm x 107mm (6.61" x 4.21")
Consumption	5.5 W	5.5 W
Operating T°	0° C (32° F) ↔ +65° C (149° F)	0° C (32° F) ↔ +65° C (149° F)
Storage T°	-40° C (-40° F) ↔ +85° C (185° F)	-40° C (-40° F) ↔ +85° C (185° F)
RoHS compliant	Yes	Yes
EMC Compliance⁽¹⁾	EN55022 Class B, EN61000-6-2, EN61000-3-2, EN61000-3-3	EN55022 Class B, EN61000-6-2, EN61000-3-2, EN61000-3-3
Communication port		
Port type	1 Profibus port (EN 50170)	1 Profibus port (EN 50170)
Connector	Profibus D-Sub, 9 pin, female	Profibus D-Sub, 9 pin, female
LED Indicator	2 leds: TX / RX	2 leds: TX / RX
Electrical Interface	RS485 optical insulation (500 V) (optional: Profibus D-Sub 9-pin attach vertical connector with diagnostics)	RS485 optical insulation (500 V) (optional: Profibus D-Sub 9-pin attach vertical connector with diagnostics)
Baud Rate	9600 kbps ↔ 1,5 Mbps	9600 kbps ↔ 1,5 Mbps
Supported Protocols		
Protocol	• Profibus DP-V0 (Master) • S7 / MPI (Master) • PPI/PPI+ (Master) • Send/Receive on FDL • FDL S5 (Master) • Profibus-FMS (on request)	• S7 / MPI (Master) • PPI/PPI+ (Master) • Send/Rec on FDL

Profibus Network Interface Cards



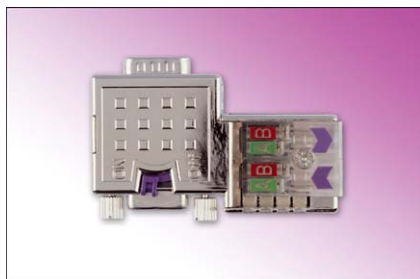
- Profibus backplanes -



- Profibus gateways -



- Profibus connectivity -



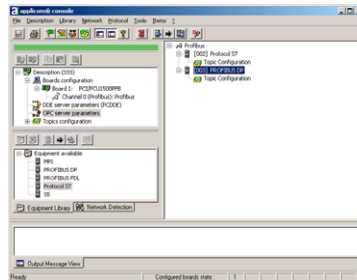
- Profibus D-Sub with diagnostic -



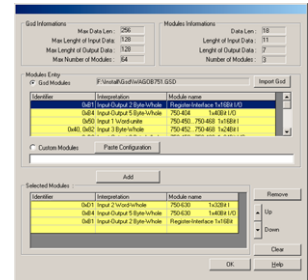
- IP67 & IP 20 I/O modules -

Software tools

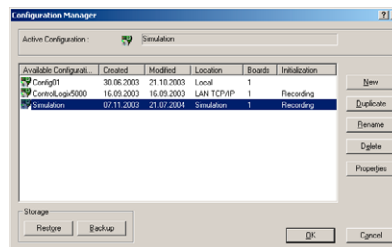
The core of applicom[®] solutions lies in effective software tools enabling fast integration of industrial communication into your applications.



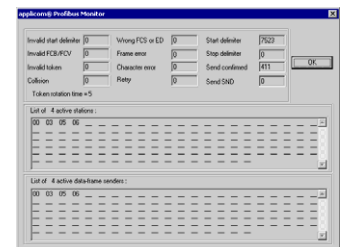
- Configuration Software -



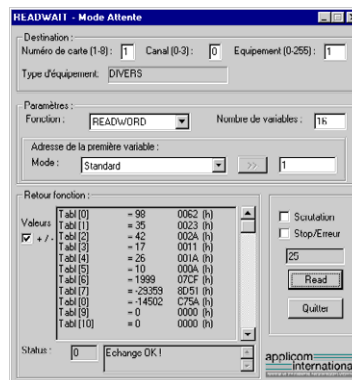
- GSD Editor -



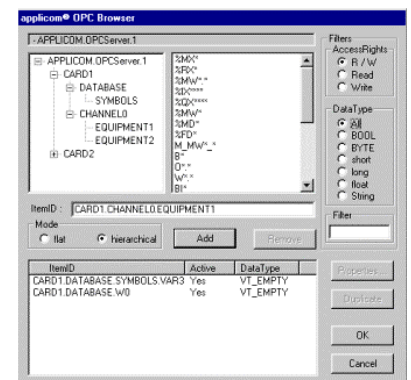
- User's configuration manager -



- Profibus Troubleshooting Tool -



- Testing tools -



- OPC Browser -

Ordering Information

Part Number	Description
APP-PFB-PCU	applicom [®] PCU1500PFB Full Profibus 1.5Mb card, Universal PCI 3.3V / 5V (PCI-X compatible)
APP-PS7-PCU	applicom [®] PCU1500S7Profibus dedicated Simatic S7 1.5Mb card, Universal PCI 3.3V / 5V (PCI-X compatible)
APP-PFB-CPCI	applicom [®] CPCI1000PFB Full Profibus 12Mb card, Compact PCI
PA9D01-42	Profibus D-Sub 9-pin with Diagnostics, 90° connector (vertical)
MA9D01-42	Profibus D-Sub 9-pin with Diagnostics, 0° connector (horizontal)
PA9DS01-42	Profibus D-Sub 9-pin with Diagnostics, 45° connector

Other related products: Combo Ethernet+Profibus (PCU2000ETH card). Form factors available (ISA, CompactPCI, PC/104). Profibus-DP Master/Slave only (PCI-DPIO card). Low cost S7/MPI solution (DRL-MPI-PCU card).

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

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from Woodhead Industries

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