

Brad® applicom® Network Interface Cards are the easiest and trouble free solution to quickly connect your PC-based industrial applications to the industrial world.

The Brad® applicom® Network Interface Cards are 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, PROFIBUS, Modbus Plus, WorldFIP and Serial Links. These solutions connect your PC-based applications (HMI, SCADA, MES, custom applications) to industrial equipments (programmable controllers, I/O modules, Panel PC, process instruments, etc).

Thanks to Brad® applicom® smart built-in processor technology - each interface card is able to execute all management and the processing (polling, frame management, etc) of communications protocols without taking CPU time from your computer, resulting in extremely fast, efficient application performance.

Brad® applicom® solutions are recommended for SCADA/HMI, and customs development which require high powerful data acquisition to manage a large number of I/O data. Brad® applicom® cards are successfully installed around the world in sectors as varied as oil&gas, automotive, food processing, technical building management, and transportation.

FEATURES AND BENEFITS

New!

- **Support of Windows 32-bit and 64-bit (WoW64)**
- **Support of Windows 7® and 2008 Server**
- Fast data acquisition between PC-based applications and industrial devices connected to PROFIBUS
- On board co-processor eliminates data bottlenecks, ensuring delivery of time critical information
- "All-in-One" - All protocols included in the package
- Best choice for HMI/SCADA applications
- High value engineering software tools; enabling fast integration of industrial communication into your applications (configuration, diagnostic, data servers, development libraries)
- Save commissioning time; ONE configuration and ONE diagnostic tool whatever the protocols used
- Quick "Return-Of-Investment"; Single development library and OPC server reduce the time required to learn and integrate Brad® applicom® products in your architectures
- Simultaneously run all PROFIBUS protocols
- Support Windows and exotic OS (VxWorks, Linux, Ardence RTX)
- Combine several cards (up to 8) and run simultaneously from 1 to 32 protocols in a single PC
- Combo protocol: Run all PROFIBUS protocols simultaneously (DP, PPI/ PPI+, S7/MPI, FDL, FMS)
- Compatible with:
 - Simatic® S7 Series (S7-300, S7-400)
 - Simatic® S5 Series (95U, 115U, 135U, 155U)

Brad® applicom® PROFIBUS Cards

112021 PCI and PCI Express Network Interface Cards



APPLICATIONS

- Supervision / Scada to monitor plant
- HMI; Acquisition of process data on panel pc to manage complex machine
- Active Front-End acquisition for building management systems such as fire detection, access control, power distribution, HVAC
- Measures and bench tests for process simulation, car engine validation, and experimental prototypes
- Tools to help you design solutions to suit your particular needs such as a gateway feature, time table management, alarming, etc.



SPECIFICATIONS

Product Package

- Engineering Tools
 - Configuration console
 - Test and diagnostic tools
- Data Servers
 - OPC DA v3.0 and v2.05
 - Wonderware DAserver
 - Wonderware I/O (SuiteLink/Fast DDE)
- Includes Development Libraries
 - MS Visual Studio (.NET/C#/VB/C++/C)
 - Borland Delphi, Windev, and National Instruments (LabWindows CVI, LabVIEW/VI)
- Supported OS:
 - Windows (32-bit & 64-bit): 7, 2008 Server, Vista, 2003 Server, XP
 - Others: Linux, VxWorks, RTX VenturCom

Technical Data

- Bus Format
 - PCI Universal bus 3.3V/5V (PCI-X compatible)
 - PCI Express 1x
- Hardware Plug & Play
- AMD SC520
- 16 Mb SDRAM
- 4 Mb Flash Memory
- Consumption: 5.5W

Communication Ports

- 1 PROFIBUS port
 - D-Sub, 9pin, female
 - 2 leds (TX/RX)
 - RS485 with galvanic insulation (500V)
 - 9.6 Kbps to 1.5 Mbps

Protocols

- PCU1500PFB and PCIE1500PFB card
 - Profibus DP-V0 Master Class-1 & Class-2
 - S7/MPI Master (Siemens S7)
 - PPI/PPI+ Master
 - FDL for S5 Master (Siemens S5)
 - Send/Receive on FDL (Develop your free messaging on Profibus)
- PCU1500S7 and PCIE1500S7 card
 - S7/MPI Master (Siemens S7)
 - PPI/PPI+ Master
 - Send/Receive on FDL

Conformances

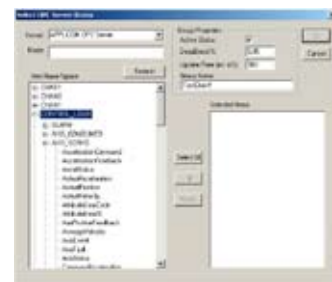
- CE
- RoHS
- OPC Certified
- PCI Express certified
- Rockwell Encompass
- Schneider Collaborative

Brad® applicom® PROFIBUS Cards

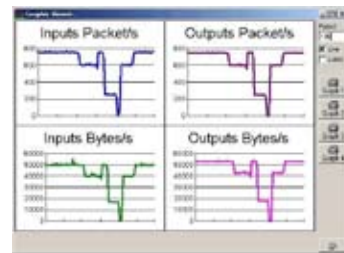
112011 PCI and PCI Express Network Interface Cards



Engineering Console



OPC Server



Diagnostic Tools

ORDERING INFORMATION

Order No.	Engineering No.	Description
112011-0004	APP-PFB-PCU-C	Brad® applicom® PCU1500PFB PCI Network Interface Card for PROFIBUS
112011-5026	APP-PFB-PCIE	Brad® applicom® PCI Express Network Interface Card for PROFIBUS
112011-0006	APP-PS7-PCU-C	Brad® applicom® PCU1500S7 PCI Network Interface Card for Profibus Simatic® S7
112011-5027	APP-PS7-PCIE	Brad® applicom® PCIE1500S7 PCI Express Network Interface Card for Profibus Simatic® S7

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