Quickly and easily connect your PC-based industrial applications to the industrial world with applicom™ intelligent communication solutions

applicom™ intelligent communication offers complete and ready-to-use solutions that cover more than 40 protocols within a wide choice of industrial networks and fieldbuses including Ethernet, Profibus, WorldFIP and Serial Links. These communication solutions connect PC-based applications (HMI, SCADA, MES, custom applications) to devices including programmable controllers, I/O modules, Panel PCs, process instruments and other industrial equipment.

With applicom™ smart built-in processor technology, each network interface card (NIC) is able to execute all management and processing (polling, frame management, etc) of communication protocols without using a computer’s processing (CPU) time; resulting in extremely fast, efficient application performance.

applicom™ solutions are recommended for SCADA/HMI, and custom automation control systems which require powerful data acquisition to manage a large volume of I/O data. applicom™ cards are successfully installed around the world in sectors as varied as oil and gas, automotive, food processing, technical building management, and transportation.

Features and Benefits

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fast data acquisition between PC-based applications and industrial devices connected to Profibus</td>
<td>Enables quick return-of-investment; single development library and OPC server reduce the time required to learn and integrate applicom™ products in to system architectures</td>
</tr>
<tr>
<td>On-board co-processor</td>
<td>Eliminates data bottlenecks, ensuring delivery of time critical information; simultaneously run all Profibus protocols</td>
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<td>Integrated package includes all protocols</td>
<td>Provides all-in-one solution for customers</td>
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<tr>
<td>Combine several cards (up to 8) and run simultaneously from 1 to 32 protocols on a single PC</td>
<td>Optimum choice for HMI/SCADA applications</td>
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<tr>
<td>Run all Profibus protocols simultaneously</td>
<td>Enables fast integration of industrial communication into applications (configuration, diagnostic, data servers, development libraries)</td>
</tr>
<tr>
<td>Compatible with: Simatic S7 Series (S7-300, S7-400) Simatic S5 Series (95U, 115U, 135U, 155U)</td>
<td>Save commissioning time: ONE configuration and ONE diagnostic tool whatever the protocols used</td>
</tr>
</tbody>
</table>

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

Design tools for custom solutions such as a gateway feature, time table management, alarming, etc.

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Encompass is a trademark of Rockwell Automation
**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/FastDDE)
- Includes Development Libraries
  - Visual Studio (VB/CC++/C samples)
  - Wonderware DAServer
  - Wonderware I/O (SuiteLink/FastDDE)
  - Visual Studio (VB/CC++/C samples)
  - Windev and National Instruments
- Other unsupported samples (Borland Delphi, Windev and National Instruments)
- (LabWindows CVI, LabVIEW/Vi) on CD Rom only
- Supported OS:

**TECHNICAL DATA**
- **Bus Format**
  - PCI Universal bus 3.3V/5V (PCI-X compatible)
  - PCI Express 1x
  - Hardware Plug & Play
  - AMD SCS20
  - 16 Mb SDRAM
  - 4 Mb Flash Memory
  - Consumption: 5.5W

**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

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

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

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**Ordering Information**

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<th>Order No.</th>
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<th>Description</th>
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<tr>
<td>112011-0004</td>
<td>APP-PFB-PCI-C</td>
<td>applicom™ PCU1500PFB PCI Network Interface Card for Profibus</td>
</tr>
<tr>
<td>112011-5026</td>
<td>APP-PFB-PCE</td>
<td>applicom™ PCE1500PFB PCI Express Network Interface Card for Profibus</td>
</tr>
<tr>
<td>112011-0006</td>
<td>APP-PS7-PCI-C</td>
<td>applicom™ PCU1500S7 PCI Network Interface Card for Profibus Simatic S7</td>
</tr>
<tr>
<td>112011-5027</td>
<td>APP-PS7-PCE</td>
<td>applicom™ PCE1500S7 PCI Express Network Interface Card for Profibus Simatic S7</td>
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