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>On-board co-processor for fast data acquisition between PC-based applications and industrial devices connected to Serial networks</th>
<th>Eliminates data bottlenecks, ensuring delivery of time critical information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integrated package includes all protocols; ONE configuration and ONE diagnostic tool whatever the protocols used</td>
<td>Provides all-in-one solution; quick development and commissioning of applicom into system architectures</td>
</tr>
<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>
</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.
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/C++/C samples)
- MS Visual Studio 2005 (.Net and C# samples)
- Installed on local disc
Other unsupported samples
- (Borland Delphi, Windev and National Instruments (LabWindows CVI, LabVIEW/Vi)
- on CD Rom only
Supported OS:

COMMUNICATION PORTS
1x Serial Port
- D-Sub, 9pin, male
- 2 LEDs (TX/RX)
- 50 bps to 38.4 Kbps
Electrical Interface
- RS485/RS422 with galvanic insulation (500 V)

TECHNICAL DATA
Bus Format
- PCI Universal bus 3.3V/5V (PCI-X compatible)
- PCI Express 1x
- AMD SC520
- 16 Mb SDRAM
- 4 Mb Flash Memory
- Interruption: Hardware Plug & Play
- DPRAM Address: Hardware Plug & Play
- Consumption: 5.5W
- Discrete Input: 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)
- Dimension: 168mm x 107mm

PROTOCOLS
Serial
- Allen-Bradley – DF1 Master
- GE Fanuc – SNP-X Master
- Elsg Bailey – Data Link Master
- Modbus Master / Slave (ASCII & RTU)
- Moller Group – SucomA Master
- Omron – Sysmac Way Master
- Saia – S-Bus Master
- Siemens – 3964/3964R Master
- Siemens – ADC11 Master
- Siemens – PPI/PH+ Master
- Siemens – Ti-Dir Master
- Schneider – Uni-Telway Master/Slave

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

Ordering Information

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Engineering No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>112020-5017</td>
<td>APP-SR1-PCU-C</td>
<td>applicom PCU1000 PCI Network Interface Card for Serial</td>
</tr>
<tr>
<td>112020-5018</td>
<td>APP-SR1-PCIE</td>
<td>applicom PCE1000 PCI Express Network Interface Card for Serial</td>
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<tr>
<td>112026-0003</td>
<td>APP-INT-232-N</td>
<td>1x RS232 electrical interface without galvanic insulation</td>
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<tr>
<td>112026-0002</td>
<td>APP-INT-232-G</td>
<td>1x RS232 electrical interface with galvanic insulation</td>
</tr>
<tr>
<td>112026-0005</td>
<td>APP-INT-485-N</td>
<td>2x RS485/RS422 electrical interface without galvanic insulation</td>
</tr>
<tr>
<td>112026-0004</td>
<td>APP-INT-485-G</td>
<td>1x RS485/RS422 electrical interface with galvanic insulation</td>
</tr>
</tbody>
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