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Find the *Molex / Woodhead / Applicom PCI1500PFB* at our website: *Click HERE*

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PCI1500PFB

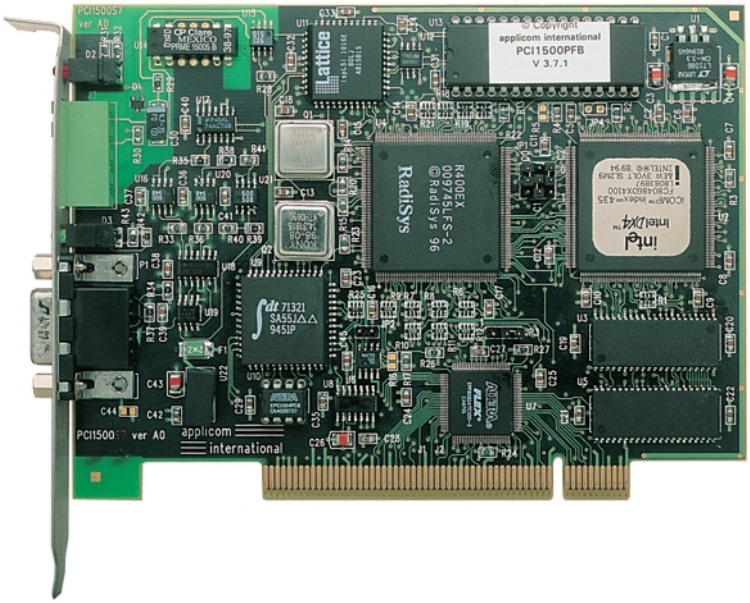
open industrial communication concept

applicom international
opening up the industrial communication univers

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applicom® PCI1500PFB



Based on a unique industrial communications concept, applicom® is the fastest, open, trouble-free approach for interfacing PC-based applications (HMI, SCADA, MES, RDBM, spreadsheets, custom applications) and devices (PLCs, I/O modules, etc.) on fieldbuses and industrial networks.

The applicom® software package includes:

- Configuration software.
- Powerful test and diagnostic tools.
- Data servers (OPC, ActiveX, DDE, FastDDE, SuiteLink).
- Development libraries for programming languages such as Visual C/C++, Visual Basic, Delphi, Borland, Windev, Labwindows CVI, LabVIEW...

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Thanks to smart technology, all applicom® communications processors are able to execute all management and the processing (polling, frame management, etc.) of communications protocols, resulting in extremely fast, efficient application performance.

Particularly, the applicom® **PCI1500PFB** board is equipped with **1 Profibus port.**

applicom international is a member of **PTO** (**P**rofibus **T**rade **O**rganization) and **PNO** (**P**rofibus **N**utzer**o**rganisation e.V.).

Compatible platforms

- Windows 2000
- Windows NT 4.0 - Intel
- Windows 95, 98

Protocols

Protocol Profibus	Device
DP Master Class-1, Class-2	All DP-slace devices
FMS (EN 50 170)	All FMS devices
FDL for S5	SIEMENS Simatic S5
S7 protocol	SIEMENS Simatic S7-300 & S7-400
MPI	SIEMENS Simatic S7-300 & S7-400 (Programming port)

Serial Protocol	Device
PPI, PPI+	SIEMENS Simatic S7-200 (Programming Port)

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Technical Data

Unit	PCI PC board
Processor	Intel 80486DX4
Memory	4 Mbytes dynamic RAM
Supported Interrupts	Hardware Plug&Play
DPRAM Address	Hardware Plug&Play (2 Kbytes used per board)
Discrete Input	Opto-coupled discrete input with LEDVoltage -> DC +10 to +30 or AC 24 V (50 to 60 Hz)
Discrete Output	"WatchDog" contact output LED; contact free from potential (floating) (24V DC, 0.25 A)
Technology	SMC technology; Complies with EMC for both Industrial and office use
Dimensions (L x W)	145mm x 106mm (5.70" x 4.17")
Consumption	6 W (max. 1.2A)
Operating Temperature	0° C (32° F) up to +70° C (149° F)
Storage Temperature	-40° C (-92° F) up to +80° C (176° F)

Profibus Port

Port Type	1 Profibus port (EN 50 170)
Connector Type	Profibus 9-pin Sub-D female
Transmission LEDs	1 Transmit LED and 1 Receive LED
Electrical Interface	RS485 with galvanic insulation (500 volts)
Baud Rate	from 9.6 to 1.5 Mbps

Transmission rate	**Length per segment***
9.6 - 19.2 - 93.75 Kbps	1200 meters
187.5 Kbps	1000 meters
500 Kbps	400 meters
1.5 MBaud	200 meters

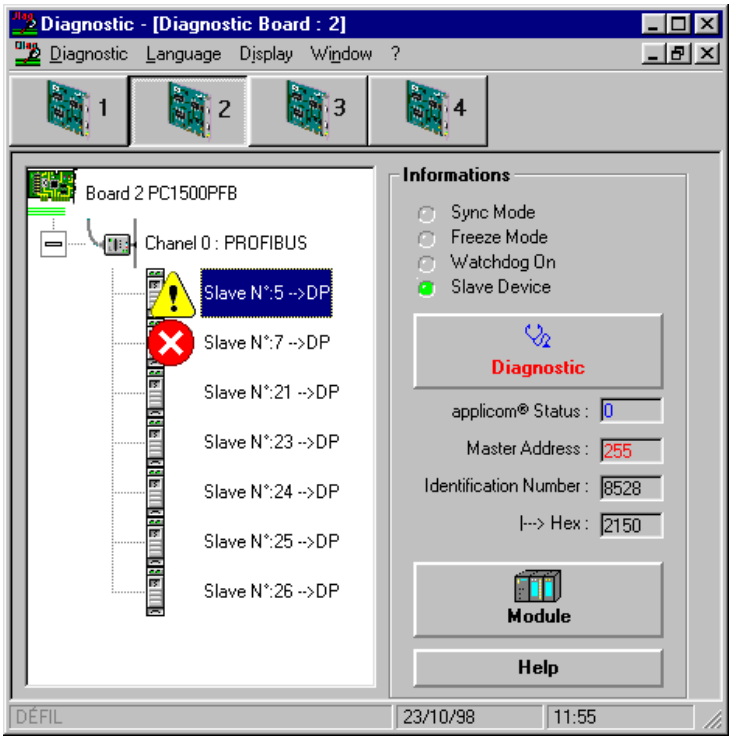
* May vary depending on cable characteristics. Source PNO.

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Utilities

- Board configuration utility (devices, protocols, communication parameters)-PCCONF
- Cyclic function configuration utility-PCCYC
- Diagnostics and test programs

Example 1 : PROFIBUS DP Diagnostic tool



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Add-on

Connector

- Profibus connector (Siemens)



References

applicom® on PCI 1500PFB board	Reference
under Windows NT - Intel	PCI1500PFB/NT
under Windows 95/98	PCI1500PFB/W95

Connector	Reference
Profibus Connector	6GK1 500 0EA00

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References

Profibus Protocol (single station licence)	Device	Reference
DP Master	All DP-slace devices	PC/PFB
FMS	All FMS devices	PC/PFB
FDL for S5	SIEMENS Simatic S5	PC/PFB
S7 protocol	SIEMENS Simatic S7-300 & S7-40	PC/PFB
MPI	SIEMENS Simatic S7-300 & S7-400 (Programming port)	PC/PFB

Serial Protocol (single station licence)	Device	Reference
PPI, PPI+	SIEMENS Simatic S7-200 (Programming Port)	PC/PPI

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