



Update for Applicom PC Network Interface Card

Rev	Date	File Name
1.11	12/03/08	TN_Update_for_Applicom_PCNIC

Description

- **Product concerned:** Applicom product family
- **Product version:** All
- **Environment:** All
- **Related documents:**
 - Applicom hardware Helpfile (detailed technical information).
- **Restriction:**

Important:

This document describes you how to update your existing configuration according to yours requirements.

To offer you the best information , we advice you to read this document from start to the end in order to be sure having the good settings and to get the best solution.

The information in this document are reliable at the time of the editing. At any time, Woodhead S&E can decide to change this information.



1 Why do you need to update?

1.1 Introduction

In the industrial environment, some reasons lead you to upgrade your computer environment.

(For example, the change of your Operating System)

For some compatibility reasons, you certainly need to upgrade the Applicom solutions (hardware, software, Bios and options).

According to your operating system, the Applicom software version, the type of card and the Bios version, this document will help you to understand the updating and how to do it.

Note: an upgrade is a software / Bios combination. It is strongly not recommended to upgrade only one of this component.

1.2 How to use this note - Sample

You are using the PCI2000ETH B (Bios 4.0.0) under Windows NT4 SP6 with the Applicom version 3.4 SP2. You want to upgrade your operating system from Windows NT4 to Windows XP.

Please, refer to the TABLE 1

First of all, select the concerned operating system: Windows XP

Check the version supported. In our case, you have to upgrade your Applicom software version to the latest one V4.0 (V3.4 SP2 is not compatible with Windows XP)

Note: The latest version is strongly advised.

Please, refer to the TABLE 2

In a second time, select the concerned card: PCI2000ETH B. According the Applicom software version chosen, check if the Bios version is the right one. In our case, you need the version V4.1.0 (V4.0.0 not fully compatible with Windows XP). So, you will be obliged to flash the Bios version.

2 Compatibility table

2.1 Compatibility between the Applicom software versions and the operating systems

TABLE 1

Applicom software versions	V3.0	V3.1	V3.2	V3.3	V3.4	V3.5	V3.6	V3.7*	V3.8	V4.0
Latest Applicom Service Pack version		SP1	SP3	SP3	SP2	SP1	SP4	SP1	SP5	/
Version Delivery Dates	sept-98	Janu-99	June-99	Mar-00	May-01	Dec-01	Jully-02	Jully-03	sept-04	April-08
Vista										Y
Windows 2003 Server SP2									Y	Y
Windows XP SP2						Y(1)	Y	Y	Y	Y
Windows 2000 SP4					Y	Y	Y	Y	Y	
Windows 2000 Server SP4					Y	Y	Y	Y	Y	
Windows NT SP6	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Windows 98		Y	Y	Y	Y	Y	Y			
Windows 95	Y	Y	Y	Y	Y	Y				
Windows 3.x	Y	Y								

* The FMS Profibus messaging is not supported any longer from this version.

(1)The OPC server is available. No DDE server.

Note: Applicom Software is not compatible with the Windows 2003 Server **SP1** due to Microsoft's bug.



2.2 Compatibility between the Applicom software versions and the Bios versions of the different type of cards

TABLE 2

Applicom software versions	V3.0	V3.1	V3.2	V3.3	V3.4	V3.5	V3.6	V3.7	V3.8	V4.0	The Bios component
PC4000A *	3.4	3.7.1	3.7.1	X	X	X	X	X	X	X	EPROM
PC1000A *	3.3	3.7.1	3.7.1	X	X	X	X	X	X	X	EPROM
PC1000PFB *	3.2	3.2	3.2	X	X	X	X	X	X	X	EPROM
PC2000ETH A *	3.6.0	3.7.1	3.7.1	X	X	X	X	X	X	X	EPROM
PC1000B *	3.6.0	3.7.1	3.7.1	3.7.5	4.0.0	4.0.0	X	X	X	X	EPROM
PC2000ETH *	3.6.0	3.7.1	3.7.1	3.7.5/3.7.6	4.0.0	4.0.0	X	X	X	X	EPROM
PC1500PFB *	3.6.0	3.7.1	3.7.1	3.7.5	4.0.0	4.0.0	X	X	X	X	EPROM
PC4000B *	3.6.0	3.7.1/3.7.3	3.7.3	3.7.5	4.0.0	4.0.0	X	X	X	X	EPROM
PC2000FIP *	3.6.0/3.7.0	3.7.1	3.7.1	3.7.5	4.0.0	4.0.0	X	X	X	X	EPROM
PC2000 *	3.6.0	3.7.1	3.7.1	3.7.5	4.0.0	4.0.0	X	X	X	X	EPROM
PCI2000PFB *	3.6.0	3.7.1	3.7.1	3.7.5/3.9.0	4.0.0	4.0.0	X	X	X	X	Flash
PC1500S7 *	3.6.0	3.7.1	3.7.1	3.7.5	4.0.0	4.0.0	X	X	X	X	EPROM
PCI2000ETH A *	3.7.0	3.7.1	3.7.1	3.7.5/3.7.6	4.0.0	4.0.0	X	X	X	X	EPROM
PCI2000FIP		3.7.1	3.7.1	3.7.5	4.0.0	4.0.0	4.0.0	4.0.0	4.0.0	4.0.0	EPROM
PCI4000		3.7.1	3.7.1	3.7.5	4.0.0	4.0.0	4.0.0	4.0.0	4.0.0	4.0.0	EPROM
PCI1000		3.7.1	3.7.1	3.7.5	4.0.0	4.0.0	4.0.0	4.0.0	4.0.0	4.0.0	EPROM
PCI1500S7		3.7.1	3.7.1	3.7.5/3.7.6	4.0.0	4.0.1	4.0.1	4.0.1	4.0.1	4.0.1	EPROM
PCI1500PFB		3.7.1	3.7.1	3.7.5/3.7.6	4.0.0	4.0.1	4.0.1	4.0.1	4.0.1	4.0.1	EPROM
PC104PFB		3.7.2	3.7.2	3.7.5/3.9.0	4.0.0	4.0.1	4.0.1	4.0.1	4.0.1	4.0.1	Flash
PCI2000			3.7.3	3.7.5/3.8.0	4.0.0	4.0.0	4.0.0	4.0.0	4.0.0	4.0.0	EPROM
PCI2000MBP				3.8.0	4.0.0	4.0.0	4.0.0	4.0.0	4.0.0/4.5.1	4.0.0/4.5.1	Flash
PCI2000ETH B				3.9.0	4.0.0	4.0.1	4.1.0	4.1.0	4.1.0	4.1.0	Flash
CPCI1000PFB					4.0.0	4.0.1	4.0.1	4.0.1	4.0.1	4.0.1	Flash
PC104PFB B							4.2.0	4.2.0	4.2.0/4.5.1	4.2.0/4.5.1	Flash
PCI2000PFB B							4.2.0	4.2.0	4.2.0/4.5.1	4.2.0/4.5.1	Flash
PCI2000ETH C							4.2.0	4.2.0	4.2.0	4.2.0	Flash
PCU2000ETH D							4.3.0	4.3.0	4.3.0	4.3.0	Flash
PCU1000 D							4.3.0	4.3.0	4.3.0	4.3.0	Flash
PCU1500PFB D							4.3.0	4.3.0	4.3.0	4.3.0	Flash
PCU1500S7 D							4.3.0	4.3.0	4.3.0	4.3.0	Flash
PCU2000ETH E							4.5.0	4.5.0	4.5.0	4.5.0	Flash
PCU1500PFB E							4.5.0	4.5.0	4.5.0	4.5.0	Flash
PCU1500S7 E							4.5.0	4.5.0	4.5.0	4.5.0	Flash
PCU1000 E							4.5.0	4.5.0	4.5.0	4.5.0	Flash

* : These cards can no more be upgraded.



3 How to order the update for Applicom products

3.1 Information required

Before contacting your local distributor, please look for the following information needed to order this upgrade:

3.1.1 The board identification

- The serial number
- The type of board
- The firmware version:

You can find the serial number:

- On the back of the board.
- On the delivery package.
- Into the console from V3.8 ("?" > card information)
- Into the applicom.log file located at :
 - For V3.1/V3.2 → C:\Program files\applicom\applicom 3.x
 - For V3.3/V3.6 → C:\Program files\applicom\applicom 3.x\Config\Config_name

You have to scroll down and find the last identification (end of file).

You will see for example:

```
"Board n°1 PCI2000ETH B prom v4.0.0 serial number 29 0156"  
. The serial number is 290156  
. The type of board is PCI2000ETH B  
. The firmware version is v4.0.0
```

3.1.2 The computer environment

- The Applicom software version(+SP) ex: v3.4 SP2
- The operating system(+SP) ex: Win NT4 SP6
- The protocol/messaging ex: Modbus TCP

3.2 Contacts

To order the upgrade, please contact your local distributor, or your Woodhead sales contact.