



Update for applicomIO PC Network Interface Cards

Update for applicomIO PC Network Interface Cards (PCNIC)

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Description

- **Product concerned:** applicomIO PC Network Interface Cards
- **Product version:**
- **Environment:**
- **Related documents:**
 - applicomIO 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 compatibility reasons, you certainly need to upgrade the applicomIO solutions (hardware, software and driver versions).

According to your operating system, the applicomIO software version, the types of card and the Bios/Firmware version, this document will help you to understand the updating and the way to do it.

1.2 Sample

You are using the PCI-DPIO (Firmware 3.9.0) under Windows NT4 SP6 with the applicomIO version 2.0 SP1. 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 applicomIO software version to the latest one V2.3 SP1 (V2.0 SP1 not compatible with XP)

Note: The latest version is strongly advised.

Please, refer to the TABLE 2

In a second time, select the concerned card: PCI-DPIO

According the applicomIO software version chosen, check if the Firmware version is the right one. In our case, you need the version V4.0.1 (3.9.0 not compatible with the applicomIO software version V2.3 SP1)

So, you will be obliged to flash the EEPROM Firmware version.

2 Compatibility table

2.1 Compatibility between the applicomIO software versions and the operating systems

TABLE 1

ApplicomIO software versions	1.0	1.1	1.2	2.0	2.1	2.2	2.3
Latest ApplicomIO Service Pack	/	/	/	SP1	SP4	SP2	SP4
Windows server 2003 SP2						Y	Y
WinXP SP2						Y	Y
Win2000 SP4			Y	Y	Y	Y	Y
WinNT4.0 SP6	Y	Y	Y	Y	Y	Y	Y

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



2.2 Compatibility between the applicomIO software versions and the firmware versions of the different type of cards

TABLE 2

ApplicomIO software versions	1.0	1.1	1.2	2.0	2.1	2.2	2.3	2.3 SP3	How to update the firmware
PCI-DPIO	3.7.2	3.7.5	3.8.0	3.9.0	4.0.0/4.0.1	4.0.1	4.0.1	4.0.1	Flash the EEPROM
PCI-IBSIO	3.7.2	3.7.5	3.8.0	3.8.0	4.0.0/4.0.1	4.0.1	4.0.1	4.0.1	Flash the EEPROM
PC104-DPIO	3.7.2	3.7.5	3.8.0	3.9.0	4.0.0/4.0.1	4.0.1	4.0.1	4.0.1	Flash the EEPROM
PCI-CANIO				3.9.0	4.0.0/4.0.1	4.0.1	4.0.1	4.0.1	Flash the EEPROM
PCI-DVNIO				3.9.0	4.0.0/4.0.1	4.0.1	4.0.1	4.0.1	Flash the EEPROM
PCI-DPIO B						4.2.0	4.2.0	4.2.0/4.5.1	Flash the EEPROM
PCI-ETHIO C						4.2.0/4.4.0	4.2.0/4.4.0	4.2.0/4.4.0	Flash the EEPROM
PCI-ETHIO D						4.3.0/4.4.0	4.3.0/4.4.0	4.3.0/4.4.0	Flash the EEPROM
PC104-CANIO					4.0.0/4.0.1	4.0.1	4.0.1	4.0.1/4.5.1	Flash the EEPROM
PC104-DVNIO					4.0.0/4.0.1	4.0.1	4.0.1	4.0.1/4.5.1	Flash the EEPROM
PC104-DPIO B						4.2.0	4.2.0	4.2.0/4.5.1	Flash the EEPROM
PCU-ETHIO E							4.5.1/4.6.0	4.6.3	Flash the EEPROM
PCU-DPIO E							4.5.2/4.6.0	4.6.3	Flash the EEPROM
PCU-CANIO							4.6.0	4.6.3	Flash the EEPROM
PCU-DVNIO							4.6.0	4.6.3	Flash the EEPROM

For Allen Bradley Ehetnet/IP IO messaging : from PCI-ETHIO C+D Version V4.4.0 + applicomIO 2.2 SP2.

You can no longer purchase these cards but the card's firmware updating is still available / the new functionality would not be running on older Firmware.

3 How to order the update for applicomIO cards

3.1 Information required

Before contacting us, please look for the following information:

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 packaging.
- Into the console V3.8 only (card information)
- Into the applicom.log file. The file is in
 - C:\Program files\applicomIO\applicom 2.x\Config\Config Name")
 - C:\Program files\Woodhead\Direct-Link\applicomIO 2.x\Config\Config Name")

You have to go down until the end of this file and find the last initialization.

You will see for example:

"Board n°1 PCI-DPIO prom v3.9.0 serial number 190161 "

- The serial number is 190161
- The type of board is PCI-DPIO
- The firmware version is v3.9.0



3.1.2 The computer environment

-The applicomIO software version (+SP) / The operating system(+SP) / The protocol/messaging

The applicomIO software version (+SP):	<i>ex: v2.0 sp1</i>
The operating system (+SP):	<i>ex: Win NT4 SP6</i>
The protocol/messaging:	<i>ex: Profibus /messaging DP</i>

3.2 Contacts

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