

June 11th, 2004
NEC Electronics Corporation

NEC Electronics Product Information

for μ PD720133

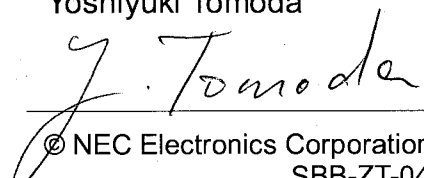
Dear NEC Electronics Engineering Supporters,

We will inform you about the product information as attached document described more details.

If you need more information, please contact your local NEC Electronics Sales Office.

Yours sincerely,

NEC Electronics Corporation
The 2nd Systems Operations Unit
PC Peripheral Systems Division
USB Technical Marketing &
Application Engineering
Department Manager
Yoshiyuki Tomoda



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SRR-7T-04-0018

Information Unplug Tool for uPD720133	SBB-ZT-04-0018
	June 11th 2004
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CP(K)

1. Contents

The released trial version of the uPD720133's solution includes a "safety removal from system" feature. This is achieved by a push of a button on the IDE Bridge evaluation board instead of an Unplug or Eject hardware command execution from PC.

2. Supply Application

Trial version application Installer at uPD720133 of NEC's vendor ID and GPIO SCSI vendor command enable.

- Installer Execution file: **install.exe** **384KB**
- Installer Data file: **install.cab** **36KB**

3. Usage

Hardware composition:

GPIO of a button uses GPIO7 by LOW ACTIVE.

The execution of this application is rather simple. Verification can be done on the application board ET-0182.

Patch Setting:

Vendor ID is 0x0409. The function of GPIO (SCSI Command) is chosen.

For application's usage method, please refer to the attached sheet.

4. OEM

Customer will evaluate and confirm the released application. Customers will set the options on the application according to their product's requirement. The parameters in the application that need to be set include Product's Vendor ID, Device ID, Bit assigns and active Level of the seed GPIO. It is also necessary to customize product's Agreement document, icon and copyright.

1. Sets Bit assign and active Level of used GPIO.
2. Sets Product's Vendor ID and Device ID.
3. Customize of product's Agreement document, icon and copyright.

5. Flow of OEM

The following approach (flow) are recommended:

1. **Customer needs to verify the operation of trial version application on their system.**
2. **Customer needs to agree and consent to a document which include the following contents:**

- Nothing in the application shall be construed as conferring any right or license under any copyrights, patents, trademarks or other intellectual property rights of NEC Electronics Corporation or any third party. NEC Electronics Corporation assumes no responsibility for infringement of copyrights, patents, trademarks or other intellectual property rights of a third party by or arising from the use of information on these Web pages.
- The use of this application in the customer's equipment for design, development or any other purpose shall be undertaken under the full responsibility of the customer. NEC Electronics Corporation assumes no responsibility for any losses incurred by the customer or third parties arising from the use of this information.

etc.

3. **The customer presents to sales customize demand document <Appendix 1>.**
4. **Customization of application.**
5. **The customize product is exhibited to customer.**

6. Note

When PC has many drives, the application will take longer time to search for the attached drive on uPD720133 after usb device connection.

Customization Request

The following customizations of PC Application are required on my customized product:

Company Name	
Department Name	
Name	

	Request
Customer ' s Vendor ID	0x
Customer ' s Device ID	0x
GPIO Assign	GPIO7 GPIO6 GPIO5
GPIO Active Level	LOW-Active HIGH-Active
Use consent document	Please attach the file of rtf form.
Copyright Description	
Icon	Change Not Change Please attach of an icon file at the selection change.

Note

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Unplug Tool

- 1.Introduction
- 2.Installing Unplug Tool
- 3.Running Unplug Tool
- 4.Note

1.Introduction

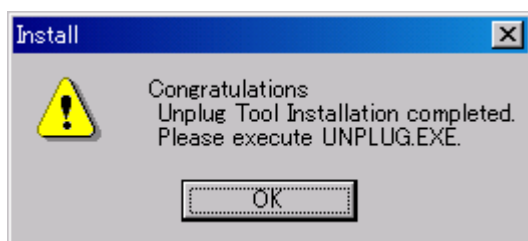
This application executes unplug with USB device for safety removal from system by the pushed button of IDE Bridge. The hardware removal application's execution doesn't need from PC.

2.Installing Unplug Tool

When execution a device at the time of connection, Please check to make shortcut on [STASRTUP]. It performs automatically from the time of PC starting next time.



Please click Unplug Tool after completing installation.



3. Running Unplug Tool

It is displayed on the right-hand side of taskbar after execution.

When the device is connected, it is displayed red arrow as follow.



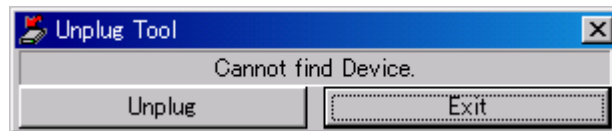
When the device is not connected, it is displayed gray arrow as follow.



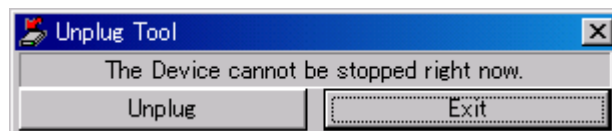
When PC is using device and removal is impossible, it is displayed yellow arrow as follow.



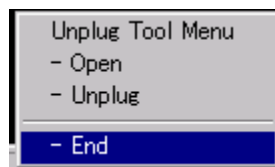
If the left click of the icon of taskbar is executed, this application window will open. The state of device is displayed. If Unplug is pushed, Unplug can be executed from an application side. If Exit is pushed, application window will close.



If a left click is executed when PC is using device and removal is impossible, the state of device will be displayed as follow.



If the right click of the icon of a taskbar is executed, the following menus will be displayed. If Open is chosen, application window will be opened. If Unplug is chosen, Unplug will be executed from an application side. If End is chosen, the application will be terminated.



When the button of USB IDE bridge is pushed, or when unplug is executed from an application side and the icon currently displayed on the right-hand side of taskbar will not become gray or yellow, This maybe a result of the USB drive is under use of another application etc. Please Unplug again after ending the application which the drive is using.

4.Note

When there are many drives linked to PC, longer time is needed for device recognition after USB drive connection.