NUC970 Series Change DDR Vendor Notes

Document information

Purpose	This document mainly explains the replacement of the NUC970 series products, and customers need to pay attention to development and mass production.
Parts number	NUC972DF62Y 、 NUC977DK62Y 、 NUC976DK62Y 、 NUC975DK62Y 、 NUC972DF61Y 、 NUC977DK61Y 、 NUC976DK61Y 、 NUC975DK61Y

The information described in this document is the exclusive intellectual property of Nuvoton Technology Corporation and shall not be reproduced without permission from Nuvoton.

Nuvoton is providing this document only for reference purposes of NuMicro microcontroller based system design. Nuvoton assumes no responsibility for errors or omissions.

All data and specifications are subject to change without notice.

For additional information or questions, please contact: Nuvoton Technology Corporation.

www.nuvoton.com

1 NUC97xDx62Y change to NUC97xDx61Y

NUC970 series product is packaged with DDR memory. In order to continue the product life cycle, Nuvoton needs to replace DDR in the package process in order to follow the evolution of DDR memory process. When replacing different DDRs, the DDR parameters need to be setting to different DDR timings.

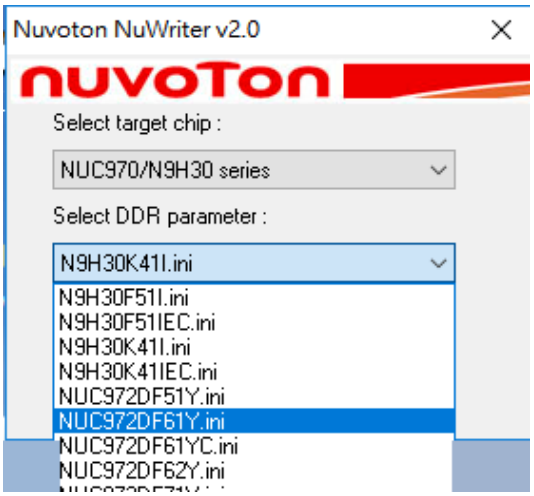
This document will explain how to change to the new product NUC97xDx61Y during R&D and mass production.。

1.1 Development stage

Users use the latest version of NuWriter, please contact the agent for the new version of NuWriter.or download it from nuvoton's Github site.

https://github.com/OpenNuvoton/NUC970_NuWriter

The method of use is as follows: When you burn Code, you must select the configuration file (.ini) NUC97xDx61Y



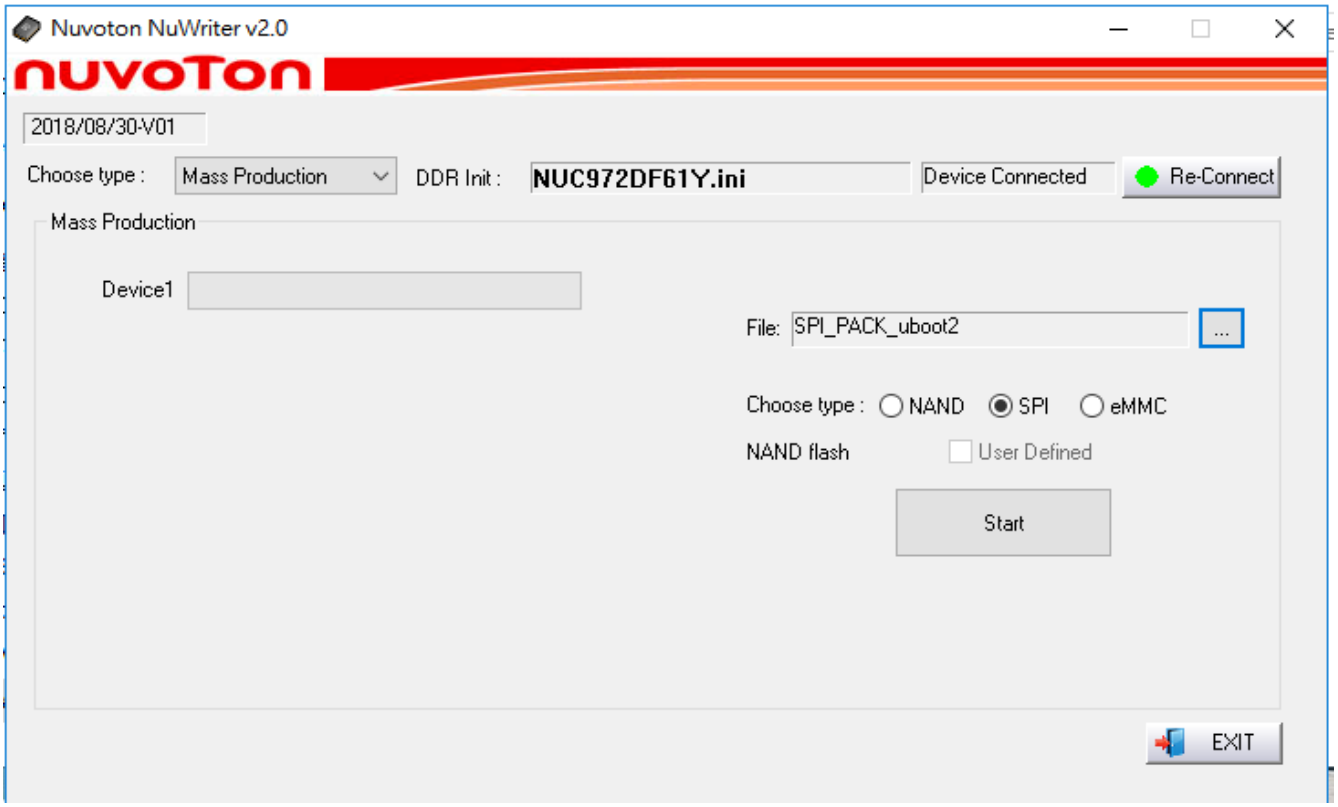
1.2 Mass production stage

Use the packaging method to produce a mass production burn package.

Need to regenerate the burn package,

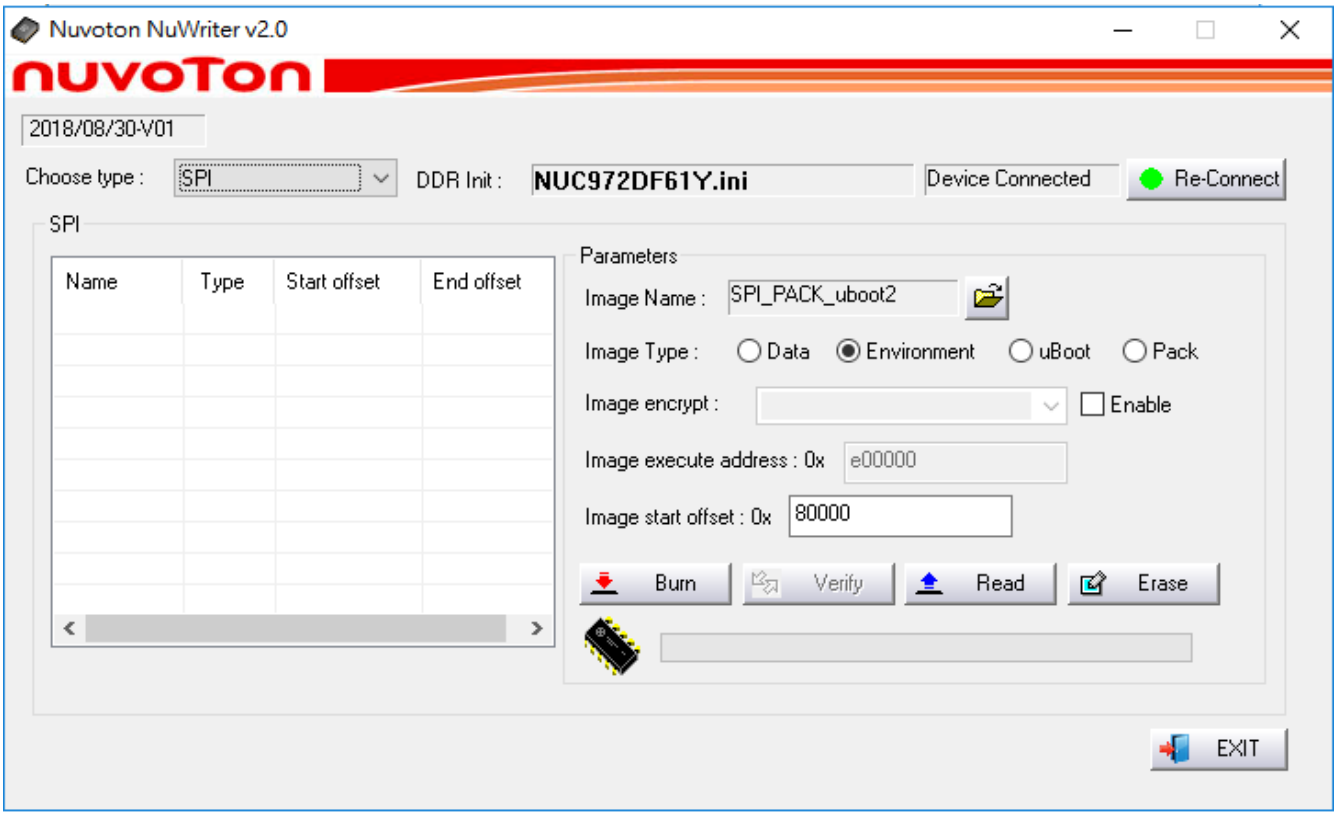
NUC97xDx needs to be selected when regenerating.

Step1. Choose type : Choose mass production mode



Step2. Output packaged file.

Step3. Uses NuWriter to burn the packaged file to flash from NUC97xDx61Y's USB Device.


Nuvoton NuWriter v2.0
2018/08/30-V01
Choose type :
SPI
DDR Init :
NUC972DF61Y.ini
Device Connected
Re-Connect
SPI
Name
Type
Start offset
End offset
Parameters
Image Name :
SPI_PACK_uboot2
Image Type :
Data
Environment
uBoot
Pack
Image encrypt :
Enable
Image execute address : 0x
e00000
Image start offset : 0x
80000
Burn
Verify
Read
Erase
EXIT

Revision History

Date	Revision	Description
2018.9.1	1.00	1. Initially issued.

Important Notice

Nuvoton Products are neither intended nor warranted for usage in systems or equipment, any malfunction or failure of which may cause loss of human life, bodily injury or severe property damage. Such applications are deemed, "Insecure Usage".

Insecure usage includes, but is not limited to: equipment for surgical implementation, atomic energy control instruments, airplane or spaceship instruments, the control or operation of dynamic, brake or safety systems designed for vehicular use, traffic signal instruments, all types of safety devices, and other applications intended to support or sustain life.

All Insecure Usage shall be made at customer's risk, and in the event that third parties lay claims to Nuvoton as a result of customer's Insecure Usage, customer shall indemnify the damages and liabilities thus incurred by Nuvoton.

Please note that all data and specifications are subject to change without notice.
All the trademarks of products and companies mentioned in this datasheet belong to their respective owners.