

# ***Neosys Technology Inc.***

## ***Nuvo-7000 series BIOS update manual***

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The following procedure describes the Nuvo-7000 BIOS update process.  
Before we start, please make sure you have done the following:

#### A. Take Note of Any BIOS Configurations

All BIOS settings will be reset to default so it is advised to take note of any BIOS configurations you may have such as ACHI mode, Wake on LAN, Power on after power failure, etc.

#### B. Boot into MS-DOS Environment

Please prepare a bootable **MS-DOS** USB drive before you begin the BIOS update process.

#### C. Acquire BIOS File

The update BIOS file can be acquired from Neosys Technology technical support staff.

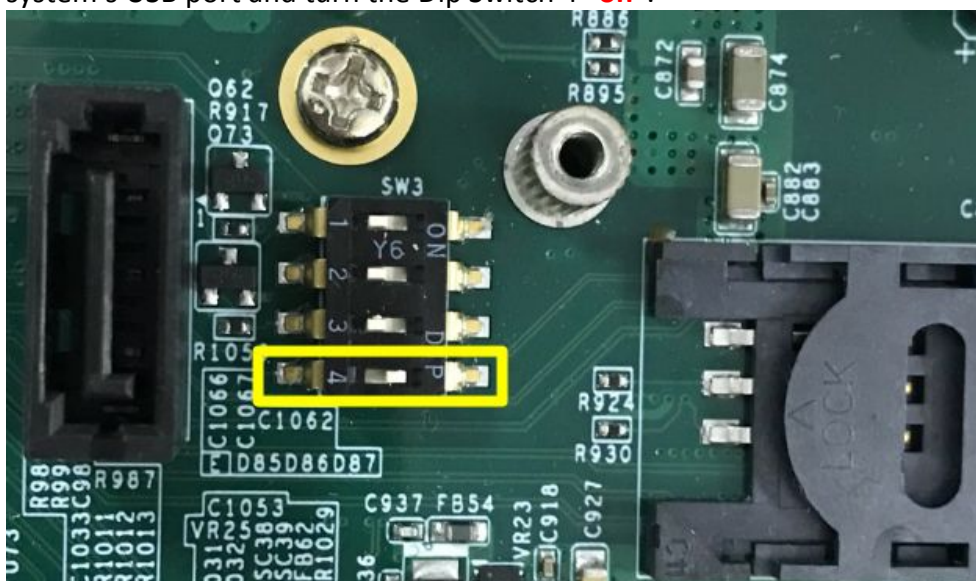
#### D. BIOS Update Procedure

1. The BIOS file for Nuvo-7000 series, NV7KA002.rar should have been sent to you. Decompress the .rar file into a folder with the same name. Once decompressed, in the folder, you should see the files:

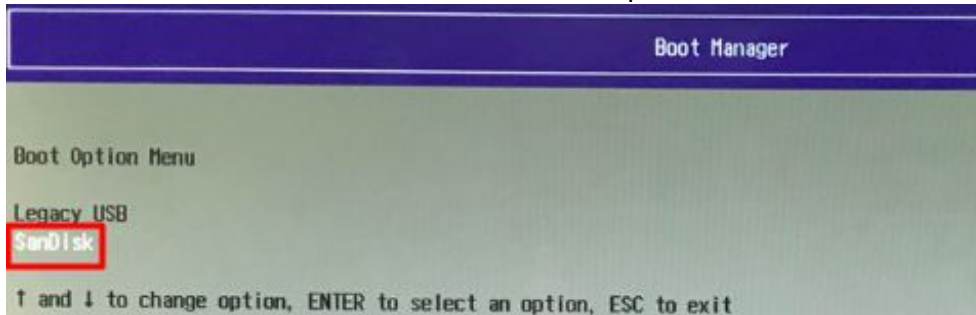
Name	Date modified	Type	Size
f.bat	10/24/2018 10:30 ...	Windows Batch File	1 KB
H2OFFT-D.exe	9/28/2018 10:30 AM	Application	245 KB
msg_eng.ini	9/28/2018 10:30 AM	Configuration settings	25 KB
NV7KA002.bin	10/18/2018 8:13 PM	BIN File	32,768 KB
platform.ini	9/28/2018 10:30 AM	Configuration settings	42 KB

Please copy the files onto the bootable DOS USB drive

2. Make sure your system has powered off, plug the bootable DOS USB drive into the system's USB port and turn the Dip Switch 4 "on".



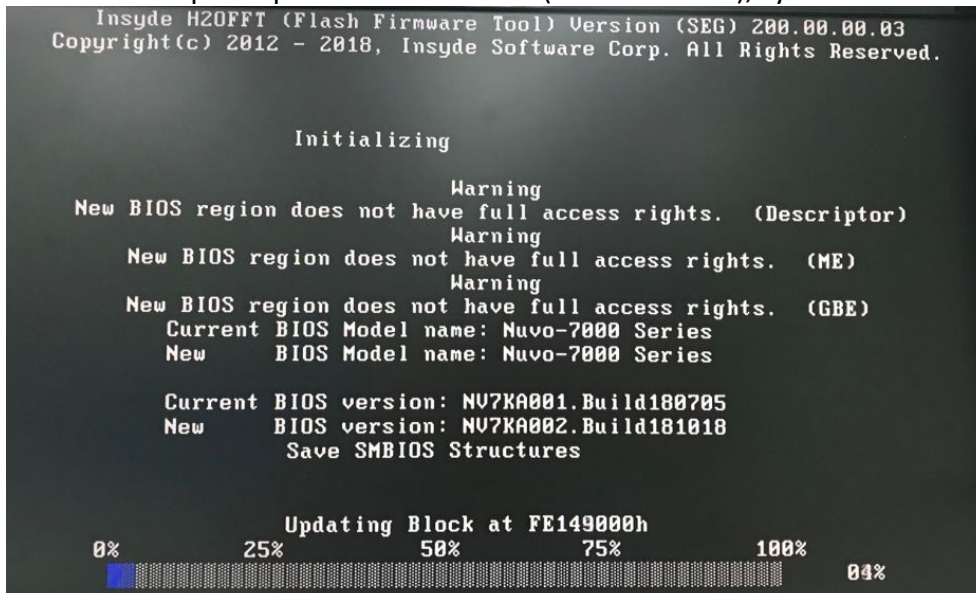
3. Power on the computer and immediately press F12 to boot into Boot Manager, select the bootable DOS USB drive as the boot device and press Enter.



4. Once in DOS, please enter “cd NV7KA002” to access the folder directory. To update the BIOS, please enter “f” to execute the BIOS update process.



5. When the update process has finished (reached 100%), system will reboot automatically.



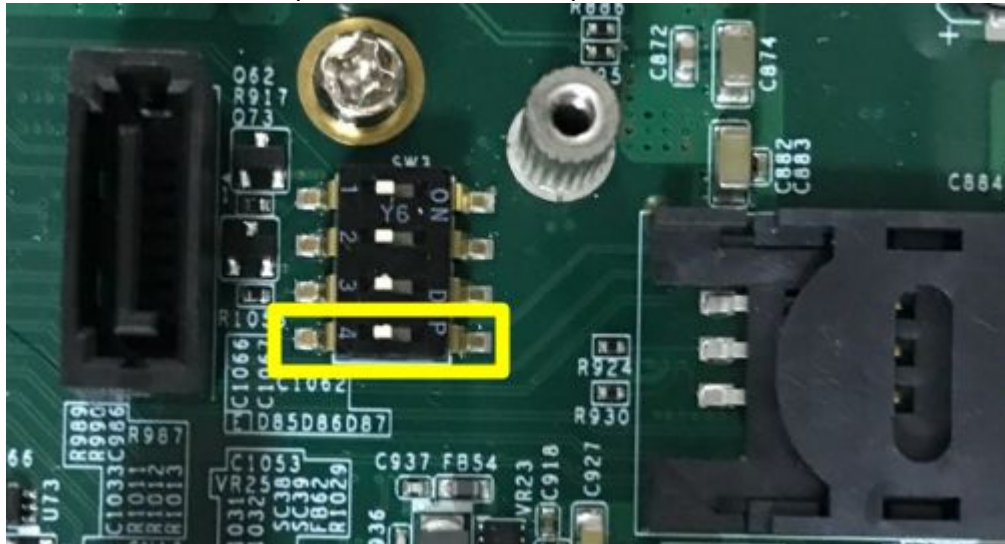
6. Upon reboot, please press “F2” to enter the BIOS setup utility.

7. Once you have entered the BIOS setup utility, press “F9” to “Load Optimal Defaults”.

8. Configure any previous configurations you may have such as ACHI mode, Wake on LAN, Power on after power failure, etc. If not, you may skip this step.

9. Please press 'F10' to save and exit.

10. Power off the computer and turn the Dip Switch 4 back to "off"



**WARNING** Should error message(s) occurred during the BIOS update process, please repeat the BIOS update procedure again. An incomplete BIOS update process will result in the system failing to boot. During the BIOS update process, **DO NOT** power off the system or disconnect the AC power.

### E. Troubleshooting

1. Please make sure you use MS-DOS for the bootable thumb drive if you see the [Error : could not allocate page table memory](#).
2. Please make sure you turn on the Dip Switch 4 if you see the [Error : Read file failed](#).