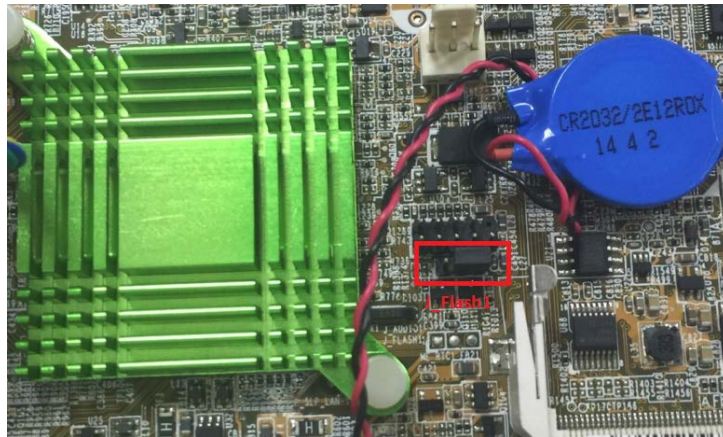


How to flash BIOS:

1. Firstly, you need to create a DOS-bootable USB-stick. Please refer to following link to create your own DOS-bootable USB-stick.

<http://www.cybernetman.com/kb/index.cfm/fuseaction/home.viewArticles/articleId/162>

2. Download the BIOS FW and extract the files.
3. Copy the extracted BIOS file into the DOS-bootable USB-stick.
4. Set J_Flash1 Jumper, short pins 2&3.



4.3.3 Flash Descriptor Security Override Jumper

The Flash Descriptor Security Override jumper (J_FLASH1) allows to enable or disable the ME firmware update. Refer to Figure 4-9 and Table 4-2 for the jumper location and settings.

Setting	Description
Short 1-2	Disabled (default)
Short 2-3	Enabled

Table 4-2: Flash Descriptor Security Override Jumper Settings

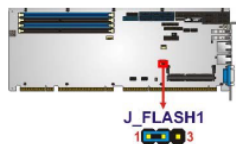


Figure 4-9: Flash Descriptor Security Override Jumper Location

To update the ME firmware, please follow the steps below.

- Step 1:** Before turning on the system power, short pin 2-3 of the Flash Descriptor Security Override jumper.
- Step 2:** Update the BIOS and ME firmware, and then turn off the system power.
- Step 3:** Remove the metal clip on the Flash Descriptor Security Override jumper or return to its default setting (short pin 1-2).
- Step 4:** Restart the system. The system will reboot 2 ~ 3 times to complete the ME firmware update.

5. Boot the system to DOS-bootable USB-stick.
6. When system boot into the DOS, go to the folder where you have saved the BIOS files. Then please type command "GO ME". Wait for the BIOS update to complete and never interrupt the BIOS update (NEVER!!! turn-off or reset the system).

7. After BIOS update completes please pull off the power cord of the PSU until LED indicator off and plug on the power cord again.



8. During the system was on an off-state, please apply a “CLEAR CMOS”. It can be achieved into different ways:
 - a. Remove CMOS battery from the SBC and then short pins 1 & 2 for 5 seconds. Then return the CMOS battery into the system.
 - b. Locate the J_CMOS1 connectors and short pins 2 & 3 for 5 seconds. Then return the jumper to pins 1 & 2 (Default).
9. After step #7, please turn-ON the system and access the BIOS Menu in order to check if the BIOS FW was updated.