

July 5, 2017

Re: DFI DL310 Motherboard Vulnerability Fix

To all of our customers and partners;

Intel Corporation has recently released a Security Advisory and a patch fix to resolve the known escalation of privilege vulnerability in Intel® Active Management Technology (AMT). Intel issue ID: SA-00075. The DFI DL310-C226 Motherboards that have been used in i3 NVR units between July 2016 and June 2017 are affected by this vulnerability.

You can find additional information about the Intel Security Advisory from these links:

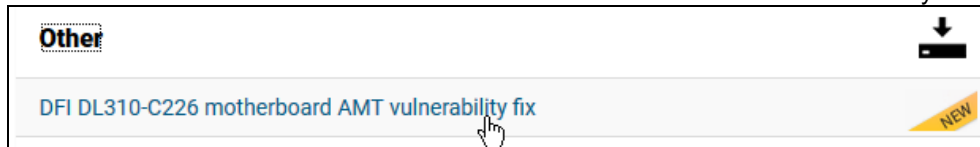
- <https://www.intel.com/content/www/us/en/architecture-and-technology/intel-amt-vulnerability-announcement.html>
- <https://security-center.intel.com/advisory.aspx?intelid=INTEL-SA-00075&languageid=en-fr>

Affected i3 Products: 4L, 4P, 4i, 5P, 5i, 9i, 9E, U2, U3. Serial numbers below **176131**.

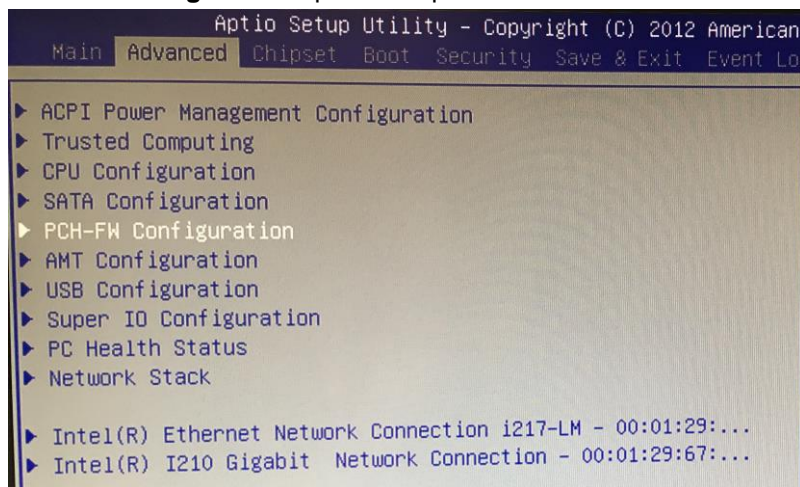
Manufactured between: July 2016 and June 2017.

To remediate this known vulnerability, please follow instructions below:

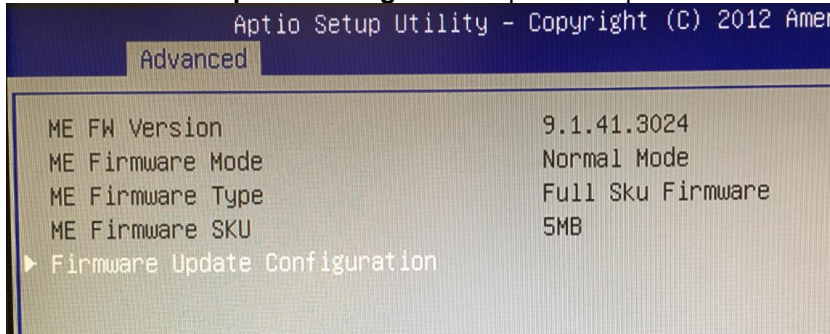
1. Go to www.i3international.com/software-downloads
2. Click on **Other** and download DFI DL310-C226 motherboard AMT vulnerability fix.



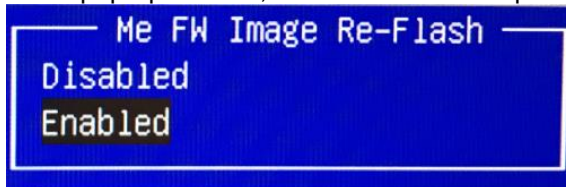
3. Before the BIOS update can be installed, BIOS **Image Re-Flash** option must be enabled first.
 - a. Shut down your NVR: click **File > Shutdown** and enter administrative password.
 - b. Press the power button on the front panel of your unit to turn NVR back ON.
 - c. After i3 International logo appears on the screen, press the Delete key on your keyboard continuously until the password window appears. Enter **i3biosadmin** and press Enter.
 - d. In the BIOS setup, use the arrow keys on your keyboard to go to the Advanced setup tab. Select **PCH-FW Configuration** option and press Enter.



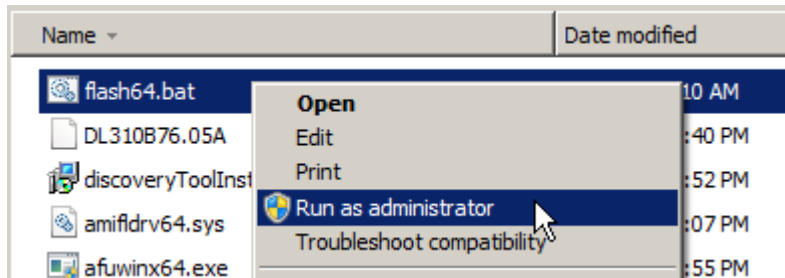
- e. Select **Firmware Update Configuration** option and press Enter.



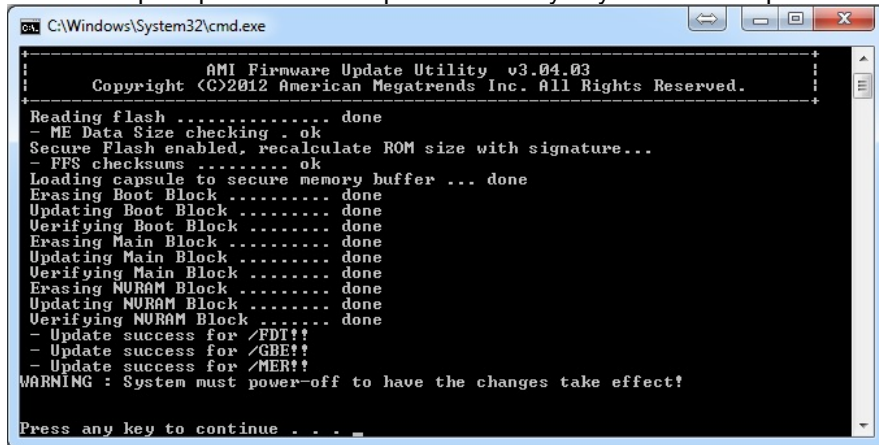
- f. In the next screen, select **Me FW Image Re-Flash** and press Enter.
g. In the pop-up window, select **Enabled** and press Enter again.



- h. **Me FW Image Re-Flash** must now state **[Enabled]**.
i. Press F4 and select **YES** to save new BIOS settings.
- Wait until your NVR boots into Windows and SRX-Pro Server starts.
 - Login into SRX-Pro Server as an administrator and safely close the SRX-Pro Server software to access your Desktop (**Ctrl + Alt + Shift + F4**).
 - Un-zip the downloaded package, then right-click on the flash64.bat file and select **Run as administrator** in the context menu.



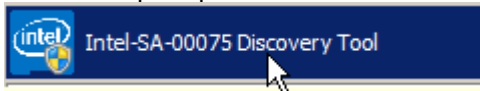
7. Command prompt window will open. Press any key to start the update and wait it is completed.



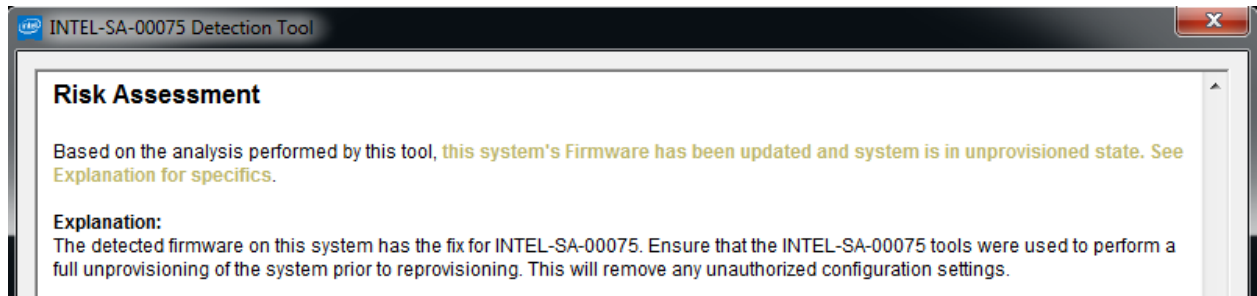
8. The NVR now must be rebooted and the BIOS settings must be returned to default.
 - a. Start the SRX-Pro Server software and login as administrator
 - b. Shut down your NVR: click **File > Shutdown** and re-enter administrative password.
 - c. Press the power button on the front panel of the NVR to turn NVR back ON.
 - d. After i3 International logo appears on the screen, press the Delete key on your keyboard continuously until the password window appears. Enter **i3biosadmin** and press Enter.
 - e. In the BIOS setup, use the arrow keys on your keyboard to go to the **"Save & Exit"** tab.
 - f. Select **"Restore Defaults"** and press Enter. In the pop-up window select **"Yes"** and press Enter.
 - g. Press F4 and select YES to save BIOS settings.
9. Wait until your NVR boots into Windows and SRX-Pro Server starts.

OPTIONAL

To ensure that the AMT vulnerability has been fixed, you may install and run the Intel-SA-00075 Discovery Tool utility. Double-click the **discoveryToolInstaller_1.0.1.39** file to install the Intel Discovery diagnostic tool. Follow installation prompts. When installation is complete, run the Intel-SA-00075 Discovery Tool.



The Risk Assessment should state: "this system's Firmware has been updated"; the Explanation should state: "The detected firmware on this system has the fix for INTEL-SA-00075".



If there are any complications during either of these procedures please contact i3 International's tech support for assistance.

Email: support@i3international.com

Tel.: 1.877.877.7241

Live Chat: <http://i3chat.i3international.com/chat>

Please contact your Regional Sales Manager if you have any questions.

i3 International Inc.
Technical Support and Services