

M9037A-05

Modification Recommended Service Note

Supersedes:
NONE

M9037A PXIe High Performance Embedded Controller

Serial Numbers: TW00000000-TW57240010
Manufacturing ID Number: 1C00000000-1C57240100

Intel Active Management Technology Escalation of Privilege

Parts Required:

P/N Description Qty.

NONE

ADMINISTRATIVE INFORMATION

ACTION	X	ON SPECIFIED FAILURE	STANDARDS		
CATEGORY:	<input type="checkbox"/>	AGREEABLE TIME	LABOR:	0.5 Hours	
LOCATION	X	CUSTOMER INSTALLABLE	SERVICE:	<input type="checkbox"/>	RETURN
CATEGORY:	<input type="checkbox"/>	ON-SITE (active On-site contract required)	INVENTORY:	<input type="checkbox"/>	SCRAP
	X	SERVICE CENTER		X	SEE TEXT
	<input type="checkbox"/>	CHANNEL PARTNERS			
AVAILABILITY:		PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL:	June 1, 2018	
	<input type="checkbox"/>	Calibration Required	PRODUCT LINE:	BL	
	X	Calibration NOT Required	AUTHOR:	TP	

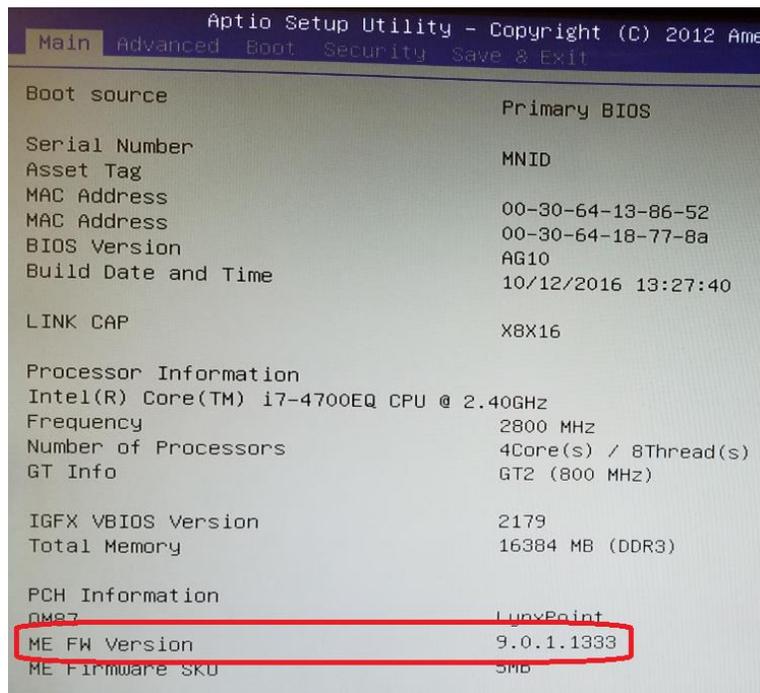
ADDITIONAL INFORMATION:

Situation:

Intel disclosed a security vulnerability in the Intel® Active Management Technology (AMT) firmware that ships in Keysight embedded controllers with affected serial numbers listed above. The vulnerability can allow an unprivileged attacker to gain control of the manageability features provided by this technology. For more information, refer to [INTEL-SA-00075](#).

Verify that your embedded controller is not vulnerable with steps below.

1. Power on or reboot your embedded controller.
2. Press the <Delete> key when the controller beeps. This should be concurrent with the main startup screen. The BIOS setup program loads after a short delay.
3. At the BIOS Main Setup screen, verify that the “ME FW Version” is version 9.1.41.3024 or later. Below picture shows that this controller is vulnerable.



Solution/Action:

Keysight strongly recommends taking the actions specified below for embedded controllers with affected ME firmware. There are two options you can choose from to mitigate the issue.

Option 1: Update the ME FW to version 9.1.41.3024 using Keysight ME update tool below.

1. Save and close all your application programs.
2. Download and unzip the [ME_update.zip](#) file to your embedded controller hard drive.
3. As Administrator, navigate to where you unzipped the file and run the ME_update/ME_Update.bat file.
4. At the Command Prompt window, do not interrupt the run. The controller will automatically restart after it's done with the FW update.
5. Verify your embedded controller is not vulnerable with the steps above in the Situation section.

Option 2: Refer to the [INTEL-SA-00075 Mitigation Guide](#) for the steps to mitigate.

Additional Resources: [CVE-2017-5689](#)

Revision History:

Date	Service Note Revision	Author	Reason for Change
12 June 2017	01	TP	As Published