ADVANTECH *Enabling an Intelligent Planet*

Advantech AE Technical Sharing Documentation

Date	2017/11/15	**SR#**	1-3277293506
Category	■FAQ □ SOP	**Related OS**	BIOS
Abstract	How to enable AMT function and remote reboot into BIOS?		
Keyword	Intel AMT, Intel core i5 and i7 CPU		
Related Product	ASG products equips core i5 or i7 CPU. Later than Haswell platforms.		

■ **Problem Description:**

Users can enable AMT function and remote access to target PCs for debugging purpose.

*** For UNO-2483G/2484G, only works above BIOS version V115 up.

For other models, settings may be different, you can refer to Intel's website for more info.***

■ **Solution - Step by Step:**

Step1

In BIOS, go to Advanced – AMT Configuration, make sure both options in red are enabled as shown in Fig.1 .

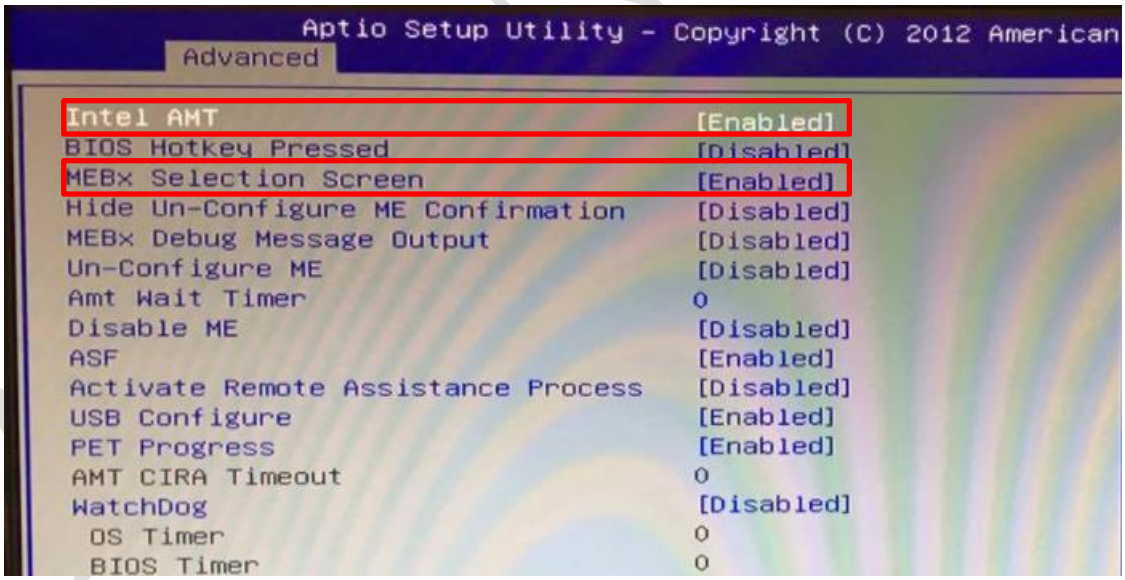

Figure 1. Advanced options in BIOS

Step2

Go to “Save & Exit” and then select “Save Changes and Reset” as shown in Fig.2 .

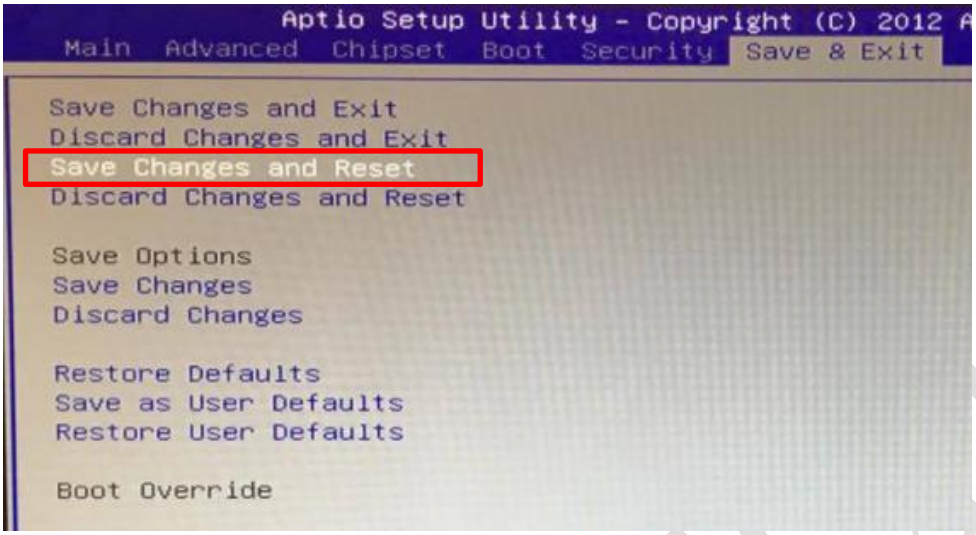

Figure 2. Indication of Save&Exit

The system will reboot and when you see the screen as shown in Fig.3, press “Ctrl + P” to enter to MEBX setup menu.

Figure 3. Press “Ctrl+P” to enter MEBX setup menu

Press “1” to enter “ME configuration screens” as shown in Fig.4.

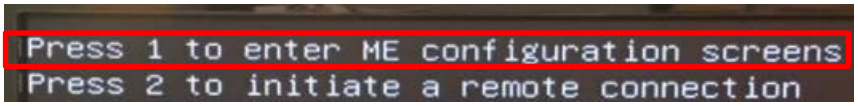

Figure 4. entering “ME configuration screens”

Step3

To login MEBx as shown in Fig.5 , you need to enter the default password "admin", and reset you own password.

Here, using "123$%^qweRTY" to meet their password policy. (type in exactly the same)

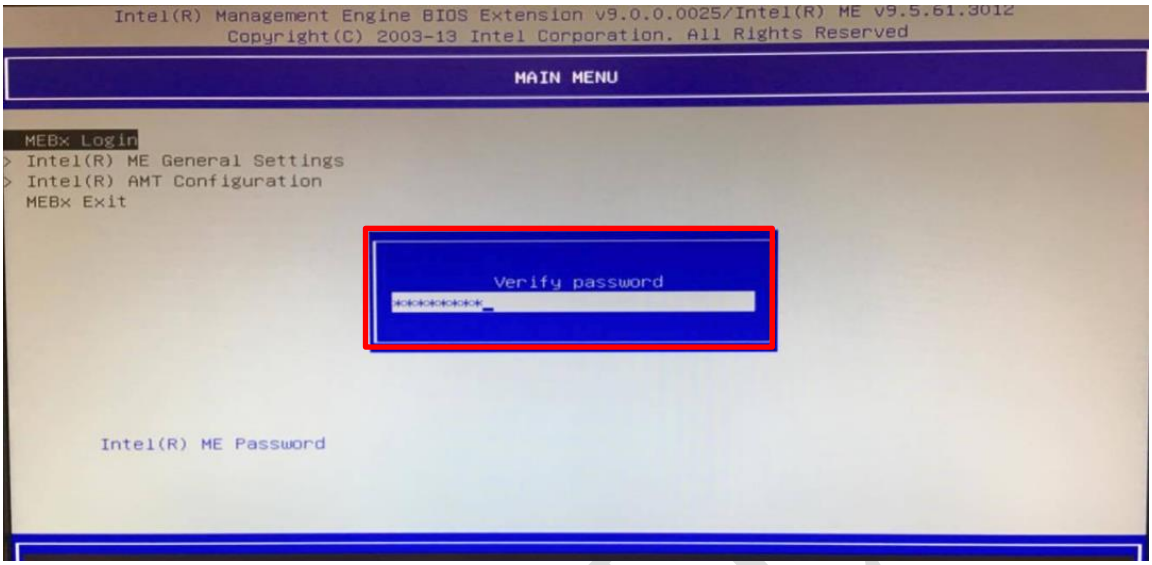

Figure 5. Main menu of ME configuration

Step4

Verify Intel(R) ME General Settings,

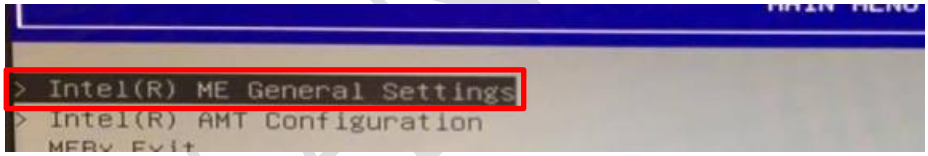

Figure 6. Intel(R) ME General Settings

Verify password change as Fig.7 shows.

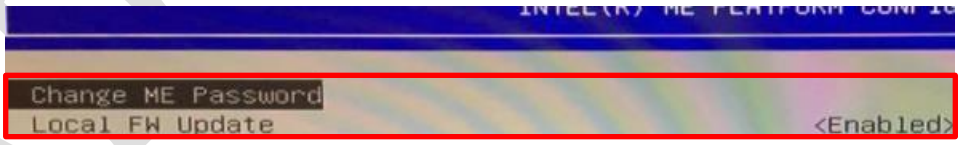

Figure 7. Verify password change

Step5

Select Intel(R) AMT Configuration as shown in Fig.8,

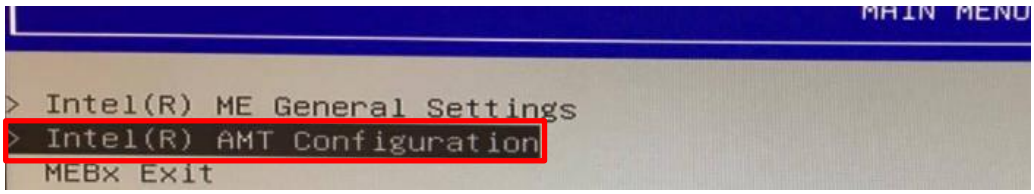

Figure8. Intel(R) AMT Configuration

You should see the menu as Fig.9, entering the “SOL/IDER/KVM” selection.

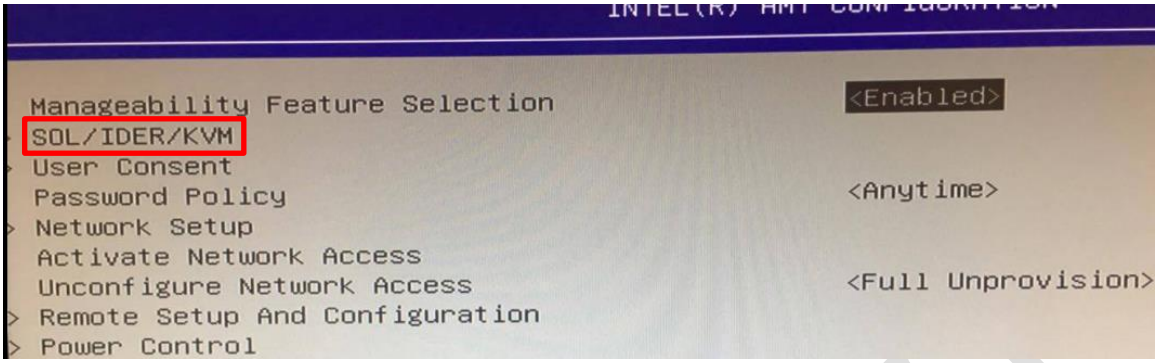

Figure9. Intel(R) AMT Configuration

Step6

Enable SOL/IDER/KVM settings as below.

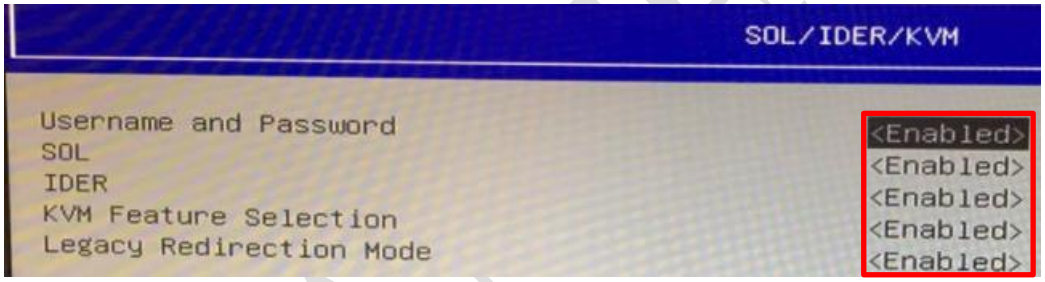

Figure10. SOL/IDER/KVM settings

Step7

Verify “User Consent” as shown in Fig.11.

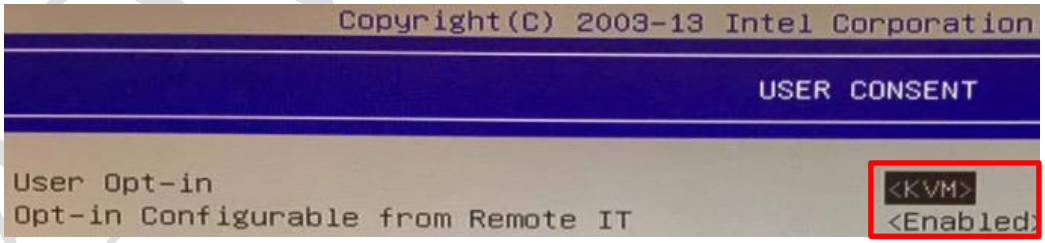

Figure11. User Consent settings

Step8

Verify "Network Setup"→"Intel ME Network Name Settings" as shown in Fig.12.

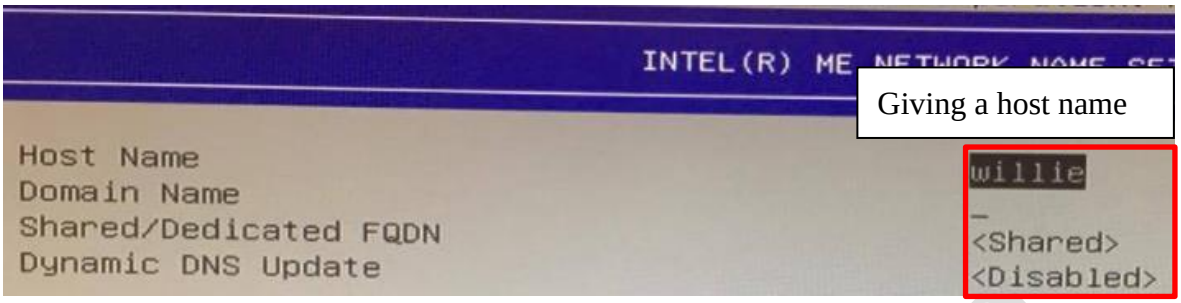

Figure12. Intel(R) ME Network Name Settings

"TCP/IP Settings" → "Wired LAN IPV4 Configuration" as below.

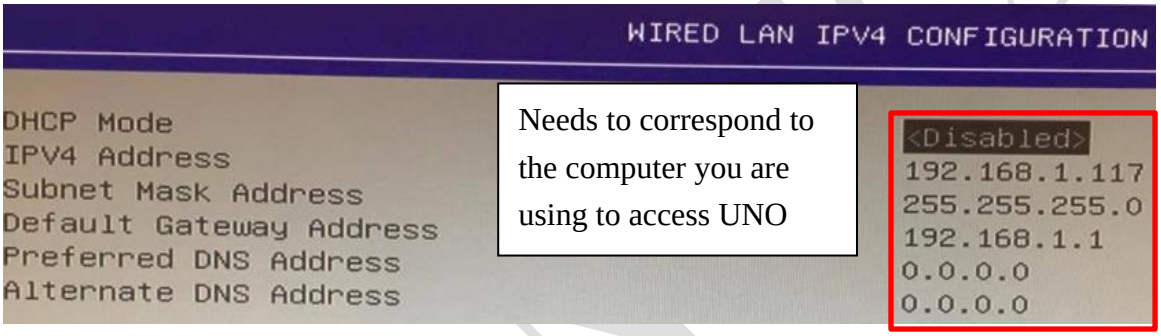

Figure13. Intel(R) ME Network Name Settings

Step9

Select "Activate Network Access" to activate your setting as shown in Fig.14.

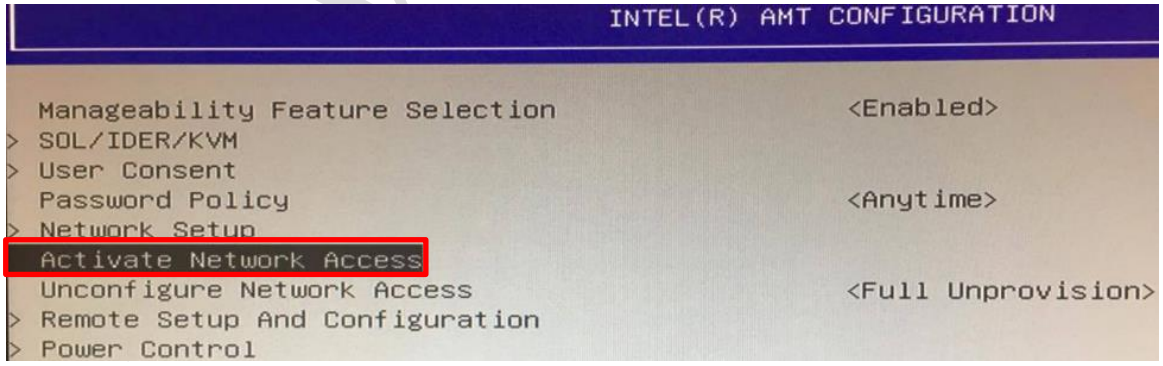

Figure14. Activate Network Access

Step10

Exit, the UNO will reboot.

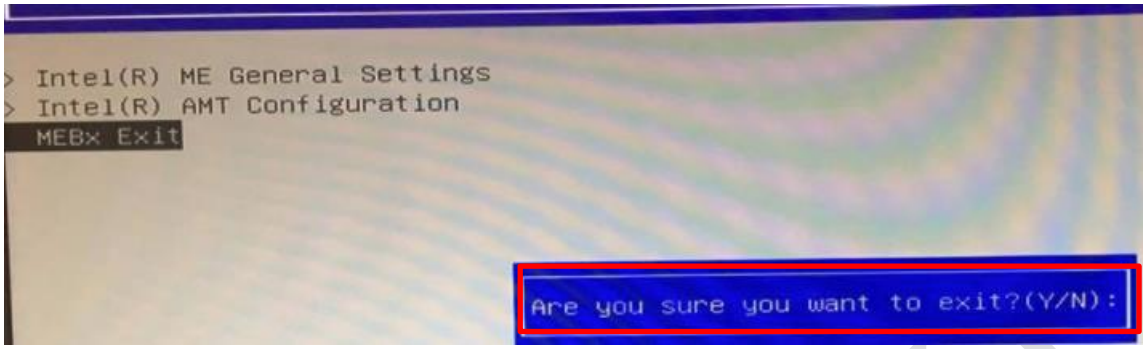

Figure15. MEBx exiting

Step11

Your computer should be able to ping UNO-2483G-474AE with AMT function enabled as shown in Fig.16.

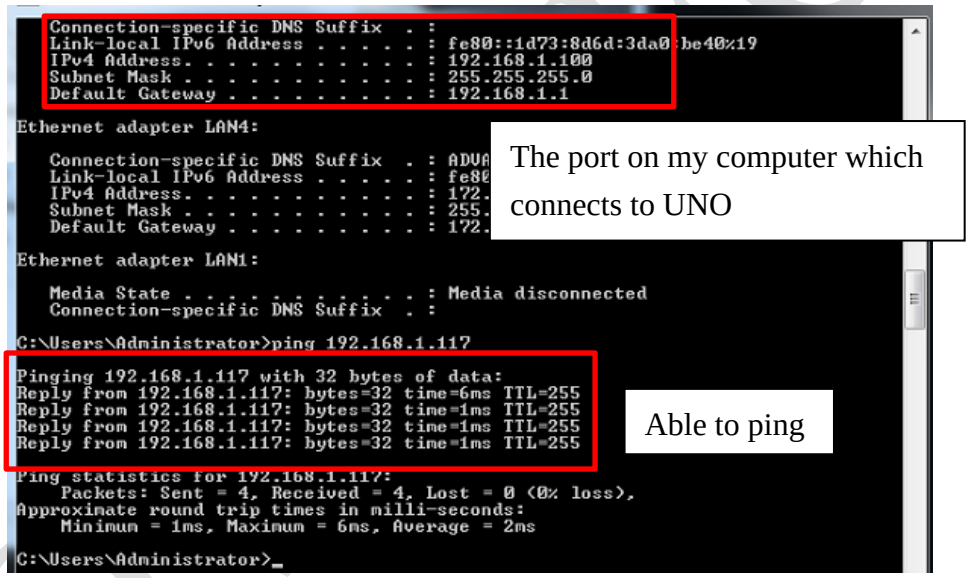

Figure16. Success to ping UNO-2483G with AMT

Step12

Verify the correct set up with 3rd party software as shown below.

http://www.meshcommander.com/open-manageability.

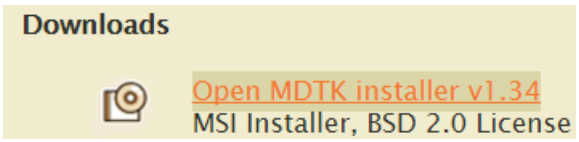

Figure17. Downloading the commander software

Once installed, run the utility.

Step13

The first window you will see as shown in Fig.18, press the button to add " Known Computer".

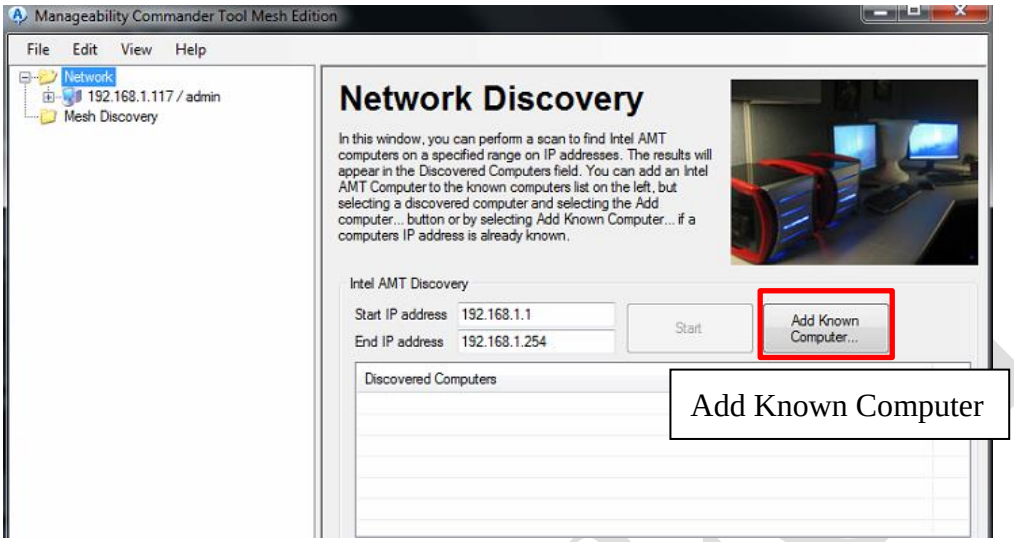

Figure18. Main screen of Managebility Commander Tool

Set IP of UNO and the password you set in step3 and click "ok".

Figure19. IP setting to access to UNO

Step14

You should see a computer created on the left and click Connect.

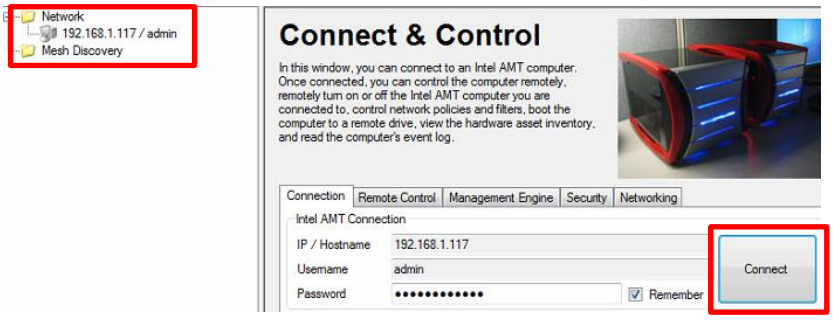

Figure20. UNO connected window

Step15

Once connected, click" Take Control", a window will pop up as below.

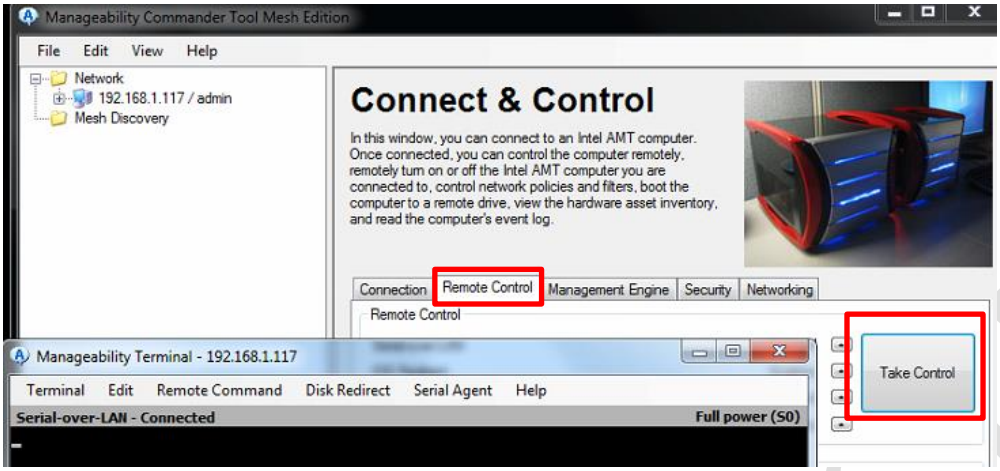

Figure21. Taking control on UNO

Step16

Connect SOL, and select "Remote Reboot to BIOS Setup" as shown in Fig.22.

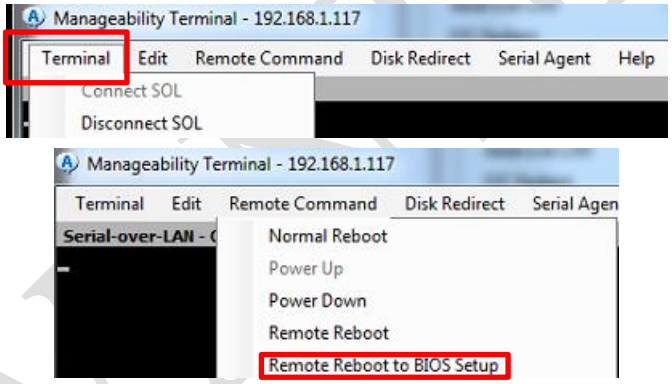

Figure22. Remote Reboot to BIOS Setup

UNO will now reboot and boot into BIOS set up page as shown in Fig.23 .

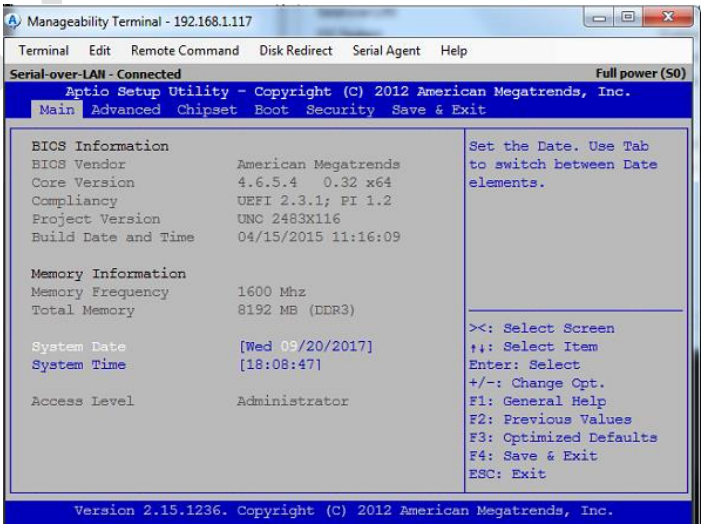

Figure23. Remote Reboot to BIOS Setup

You should able to control UNO-2483G/2484G by server as shown in Fig.24.

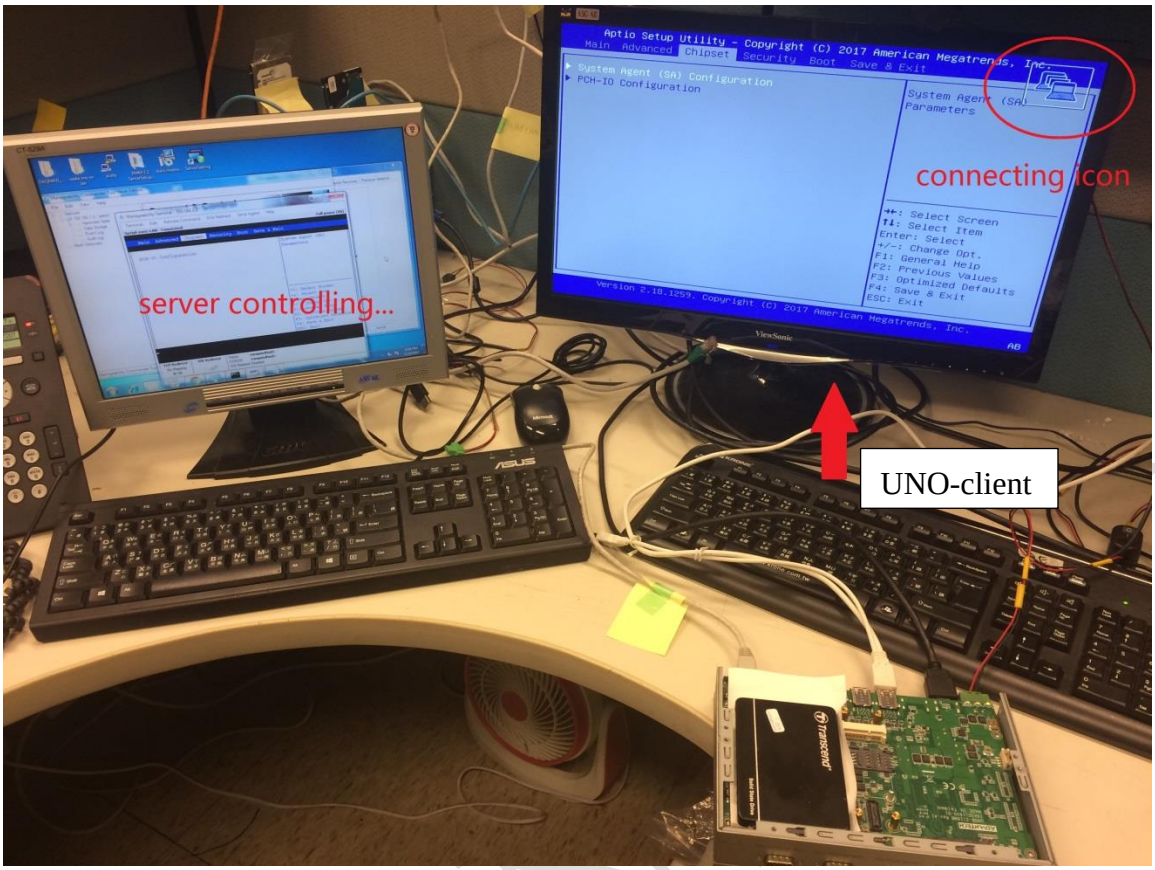

Figure24. UNO-2483G/24844G is being Control by server with AMT