

## Advantech AE Technical Sharing Documentation

<b>Date</b>	2017/11/15	<b>SR#</b>	1-3277293506
<b>Category</b>	■FAQ □ SOP	<b>Related OS</b>	BIOS
<b>Abstract</b>	UNO-2483G/2484G, How to enable AMT function and remote reboot into BIOS?		
<b>Keyword</b>	UNO-2483G /2484G, AMT, Intel i7 CPU		
<b>Related Product</b>	UNO series with 4th generation i7 CPU		

■ **Problem Description:**

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

\*\*\*To be noticed that the file is only for **UNO-2483G/2484G with BIOS version V115 up and i5/i7 CPU**, 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 .

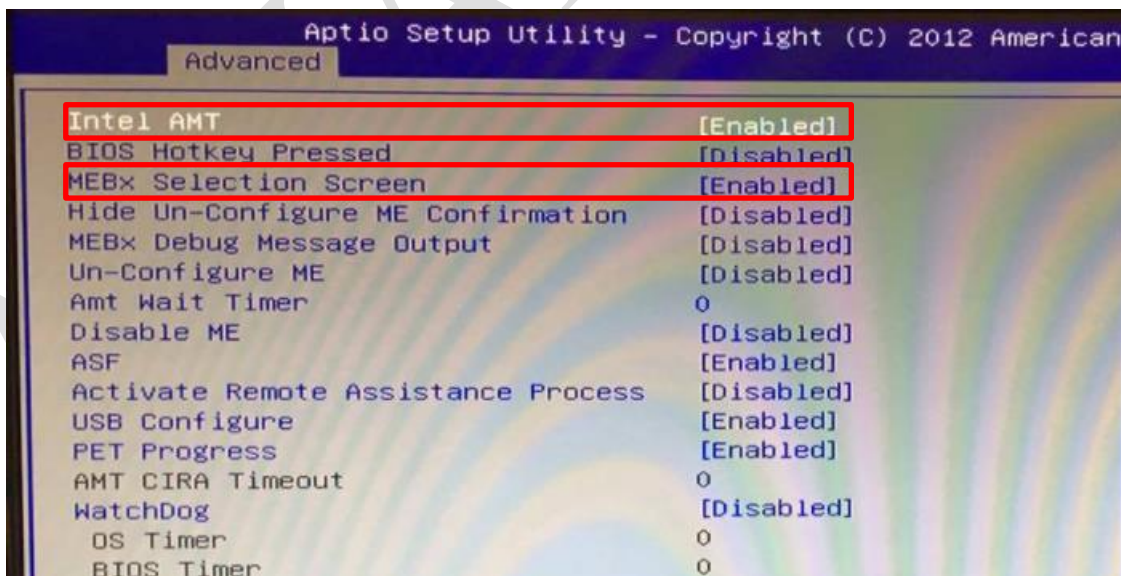


Figure 1. Advanced options in BIOS

## Step2

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

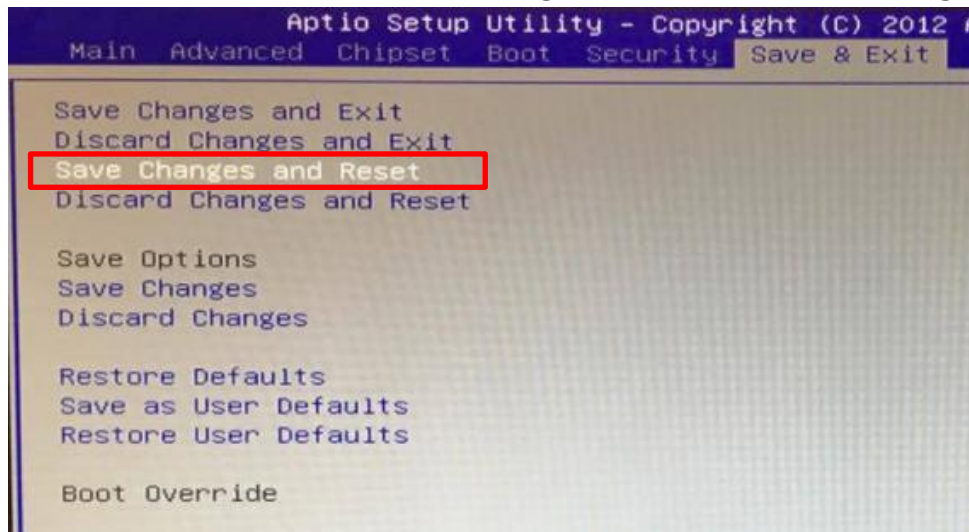


Figure 2. Indication of Save&Exit

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

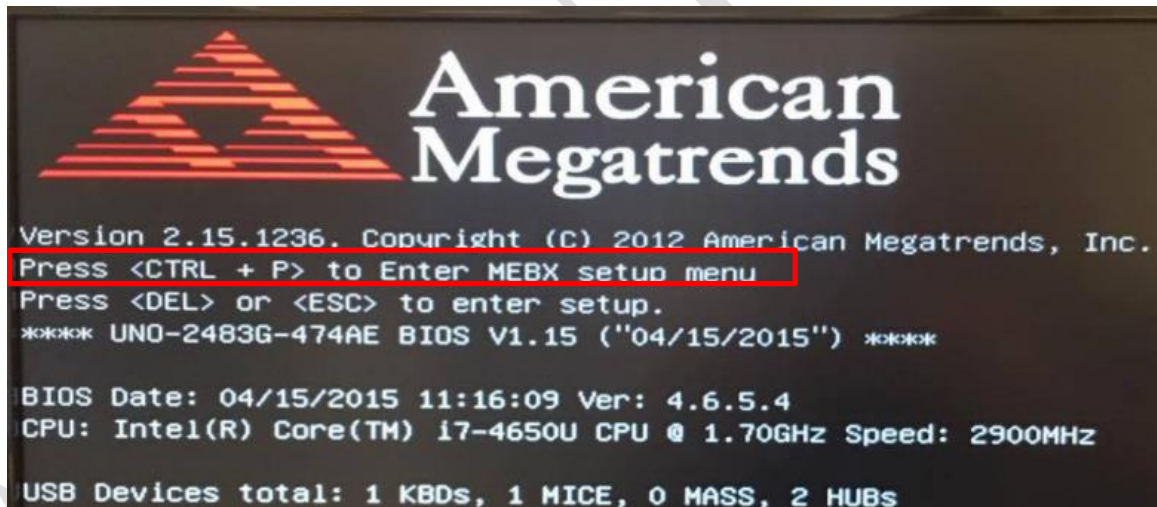


Figure 3. Press "Ctrl+P" to enter MEBX setup menu

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

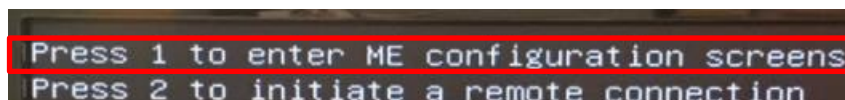
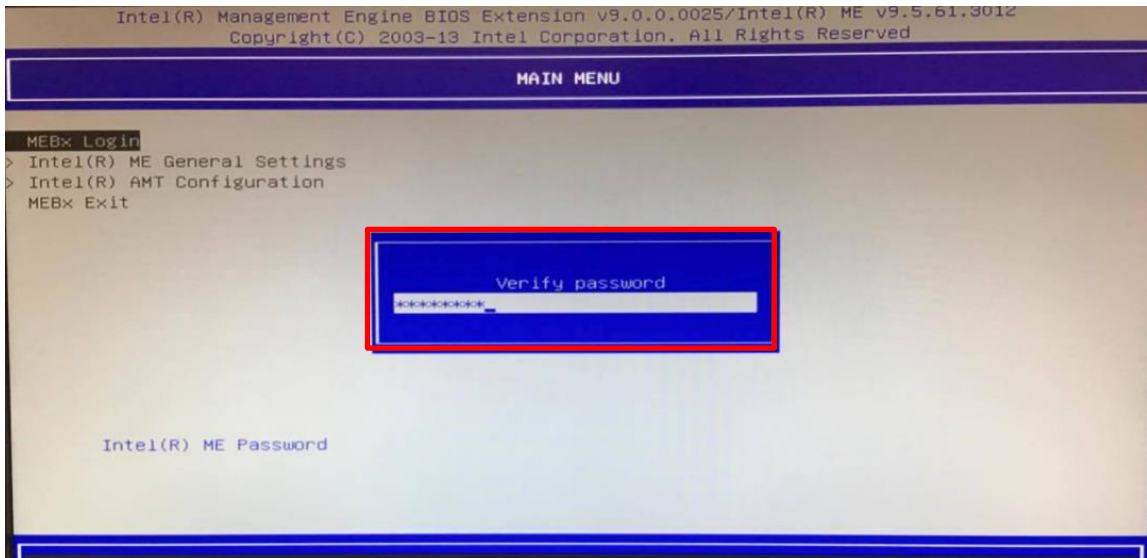


Figure 4. entering "ME configuration screens"

**Step3**

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

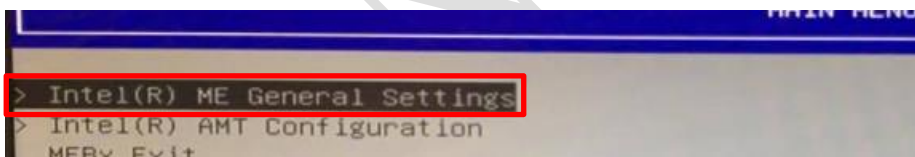
Here, using “123\$%^qweRTY” to meet their password policy. (type in exactly the same )



*Figure 5. Main menu of ME configuration*

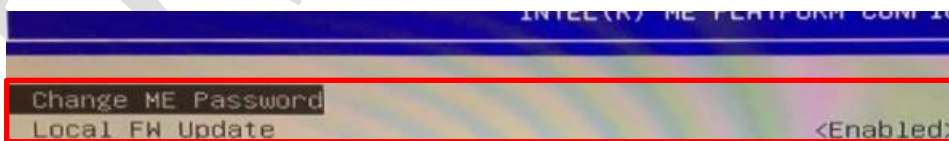
**Step4**

Verify Intel(R) ME General Settings,



*Figure 6. Intel(R) ME General Settings*

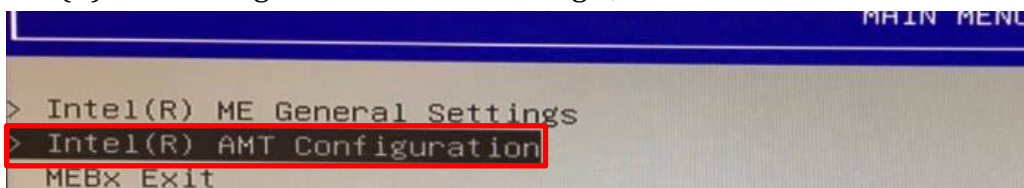
Verify password change as Fig.7 shows.



*Figure 7. Verify password change*

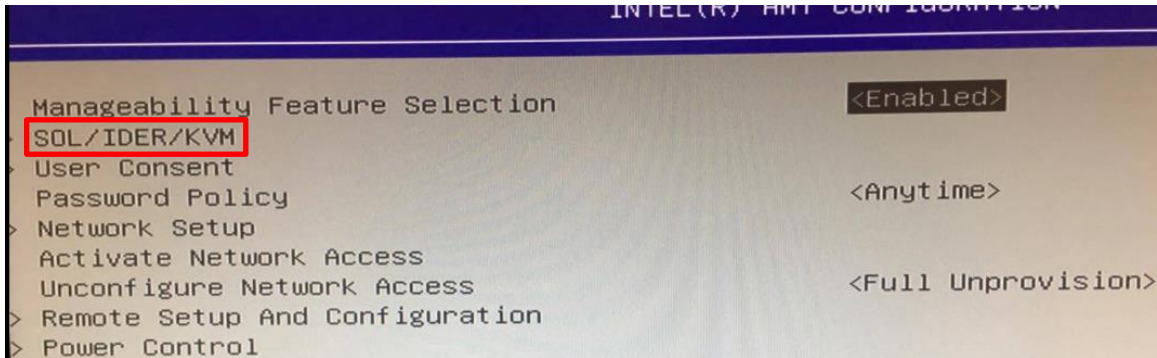
**Step5**

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



*Figure8. Intel(R) AMT Configuration*

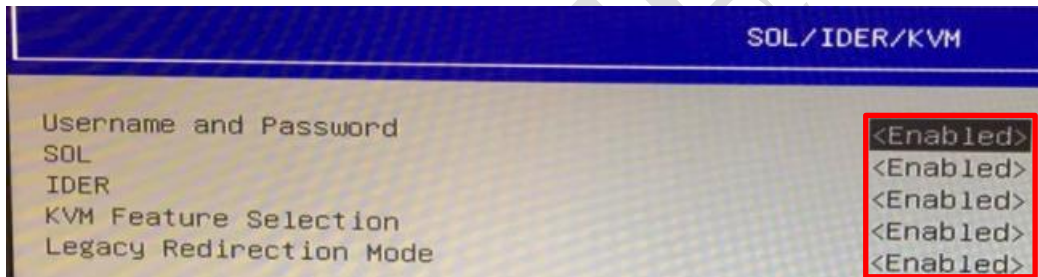
You should see the menu as Fig.9, entering the “SOL/IDER/KVM” selection.



*Figure9. Intel(R) AMT Configuration*

**Step6**

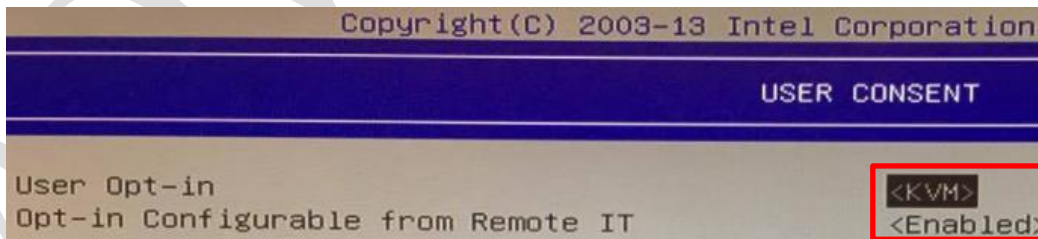
Enable SOL/IDER/KVM settings as below.



*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.

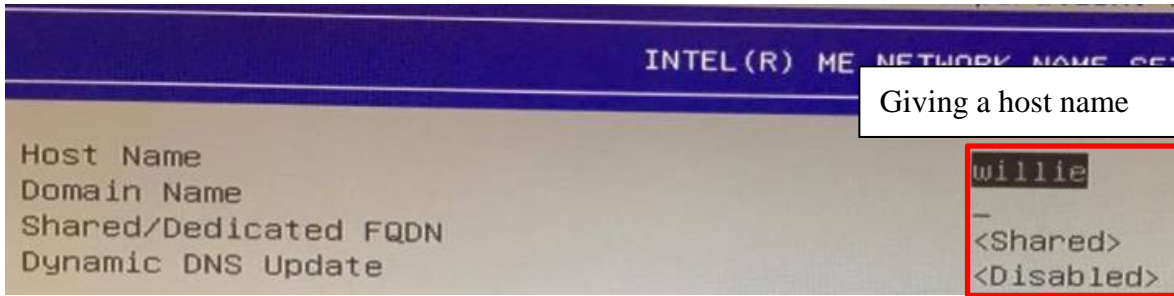


Figure12. Intel(R) ME Network Name Settings

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

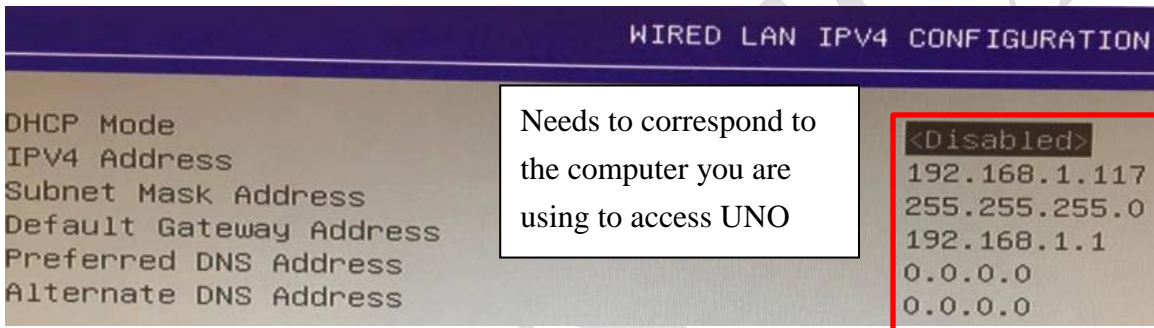


Figure13. Intel(R) ME Network Name Settings

**Step9**

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

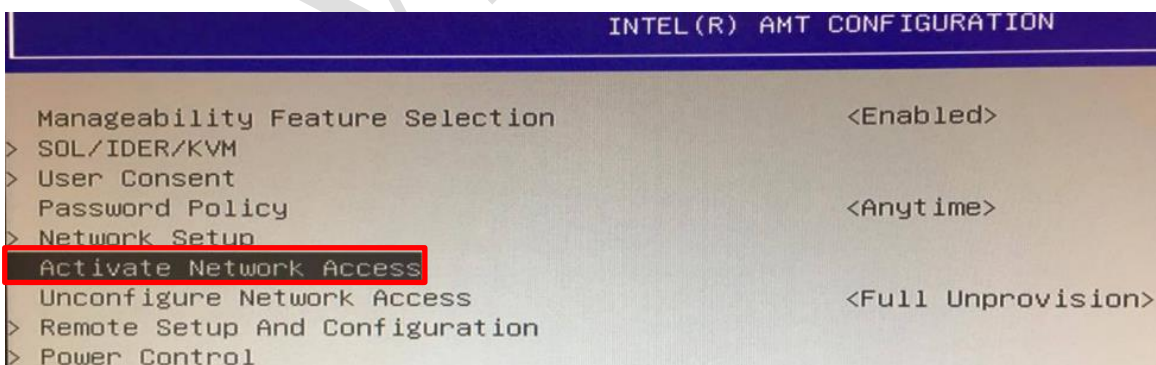


Figure14. Activate Network Access

**Step10**

Exit, the UNO will reboot.

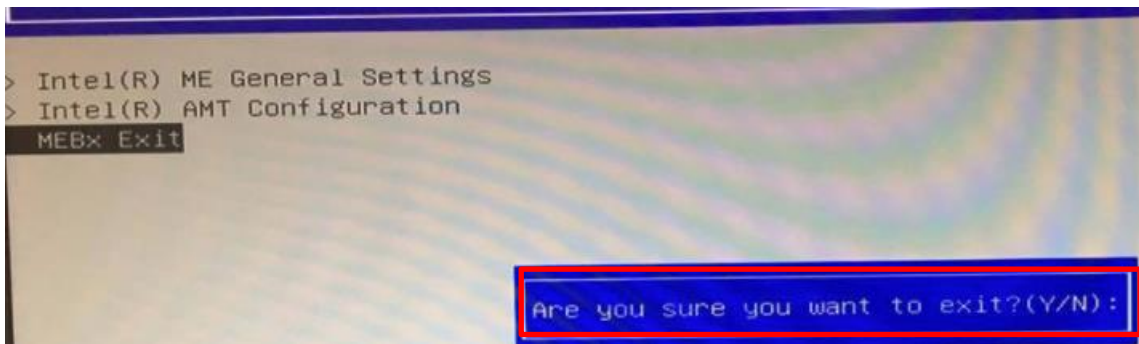


Figure15. MEBx exiting

**Step11**

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

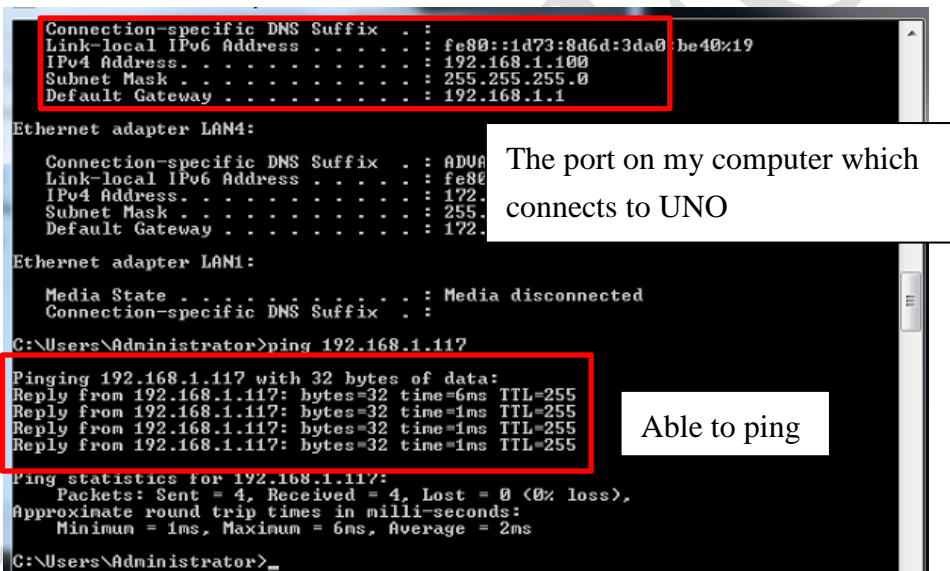


Figure16. Success to ping UNO-2483G with AMT

**Step12**

Verify the correct set up with 3<sup>rd</sup> party software as shown below.

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

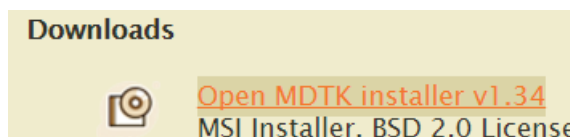


Figure17. Downloading the commander software

Once installed, run the utility.

**Step13**

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

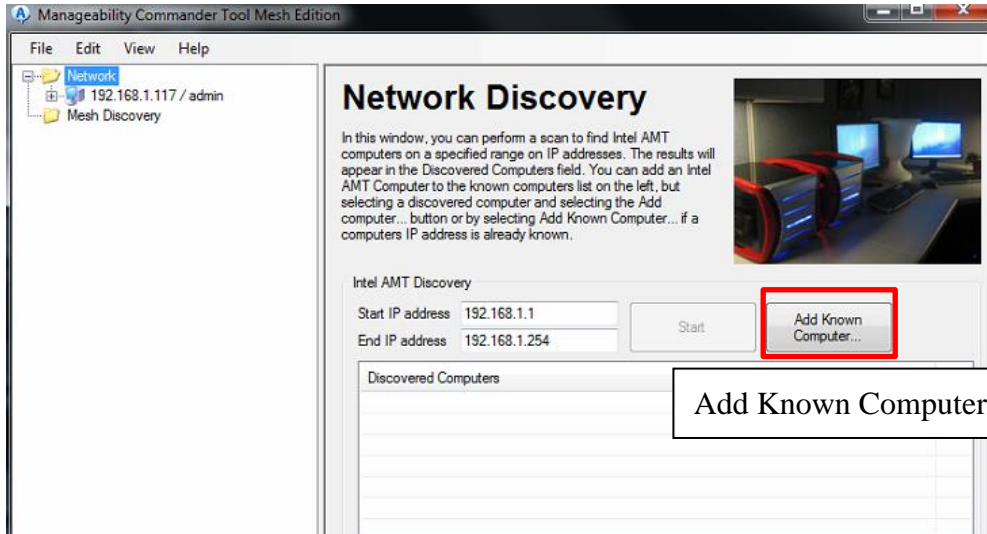


Figure18. Main screen of Manageability Commander Tool

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

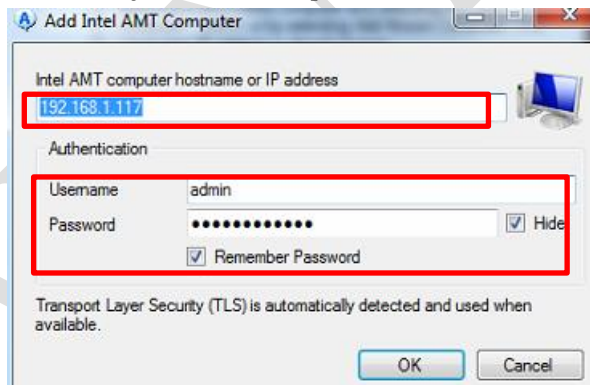


Figure19. IP setting to access to UNO

**Step14**

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

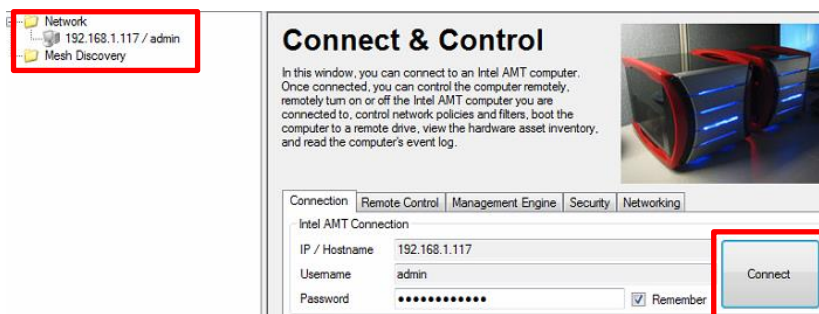


Figure20. UNO connected window

**Step15**

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

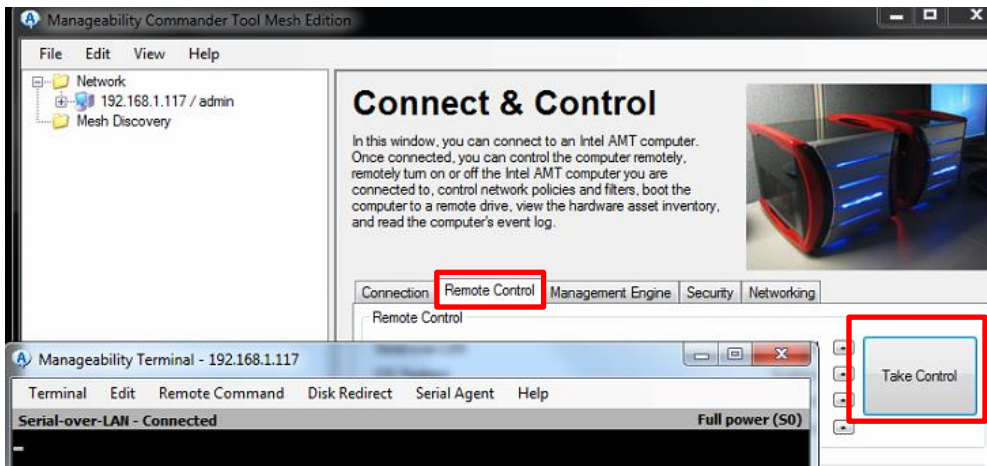


Figure21. Taking control on UNO

**Step16**

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

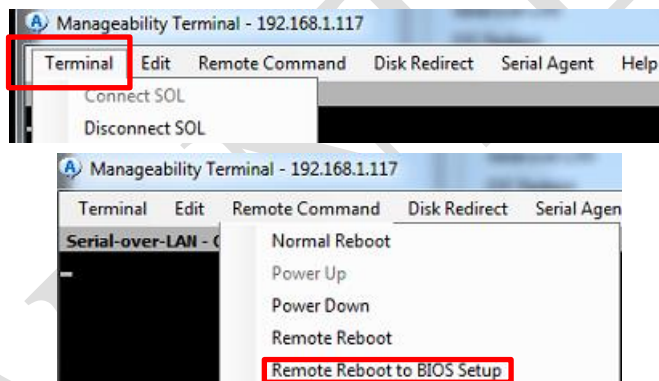


Figure22. Remote Reboot to BIOS Setup

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

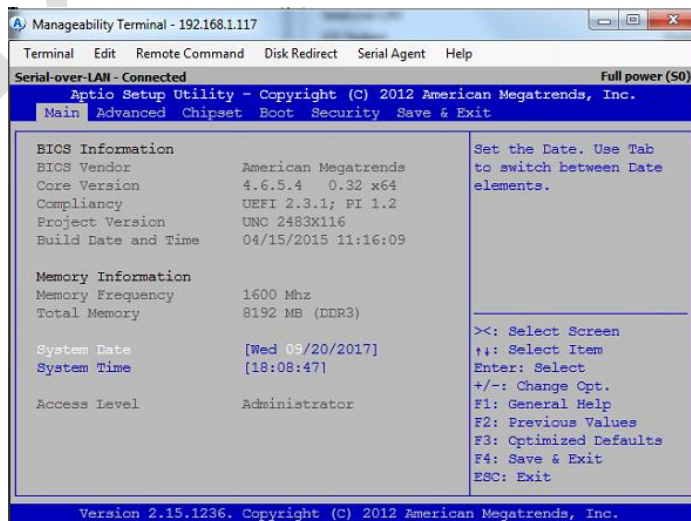


Figure23. Remote Reboot to BIOS Setup



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

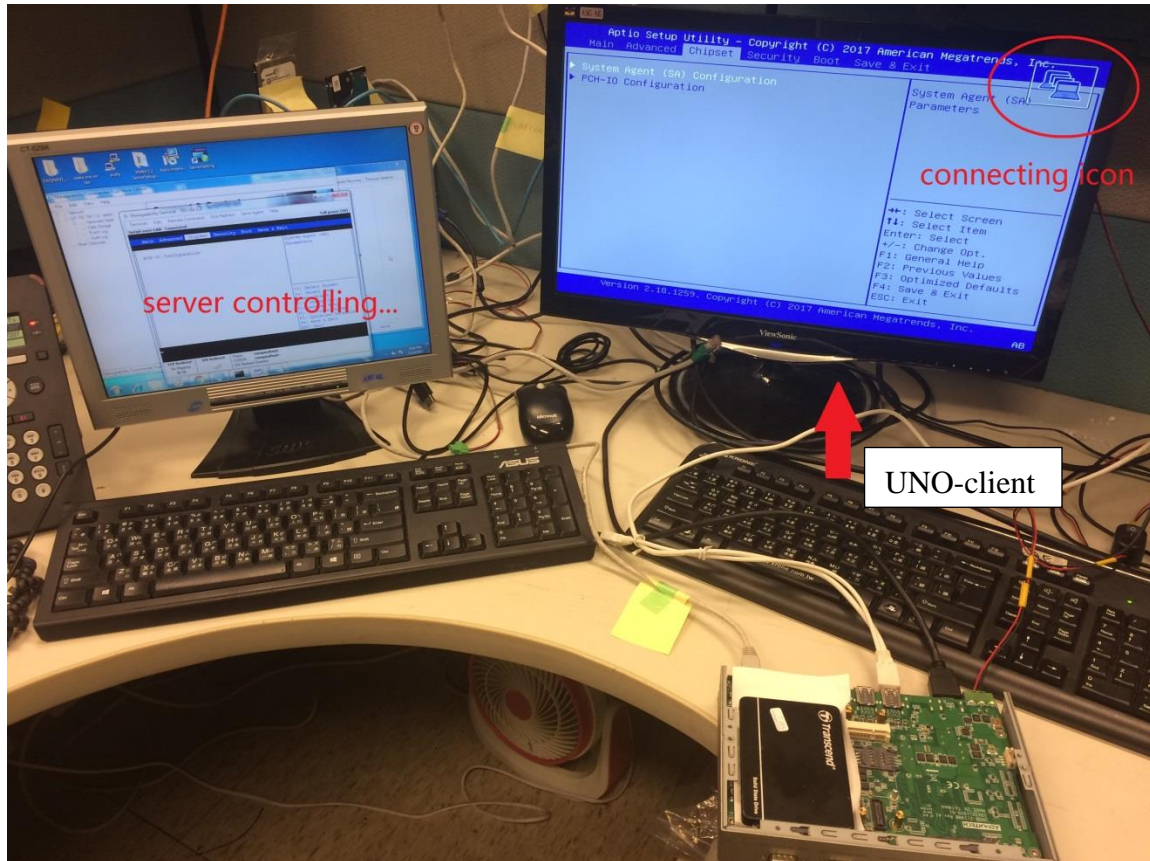


Figure24. UNO-2483G/2484G is being Control by server with AMT

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