

Data Create	2015/08/14	Release Note	Internal External
Catagory	FAQ	Product	MG
Calegory		Group	IAG
Function	BIOS	Related OS	none
Related			
Product	UNU-2483G-474AE		

[Abstract]

This tutorial teach How to Remote Login Intel AMT by Serial over LAN and how to verify it. The tested environment is UNO-2483G-474AE with BIOS V1.15.

[Solution]

- 1. Make sure AMT is enabled in BIOS
- 2. Enable BIOS Hotkey Pressed and Save Changes and Reset. The AMT screen will show up after reboot.

Aptio Set Advanced	up Utility – Copyright (C)
Intel AMT BIOS Hotkey Pressed MEBx Selection Screen Hide Un-Configure ME Co	[Enabled] [Enabled] [Disabled] onfirmation [Disabled]
Main Advanced Chipset Boot	Security Save & Exit
Save Changes and Exit Discard Changes and Exit Save Changes and Reset Discard Changes and Reset	
Save Options Save Changes Discard Changes	
Restore Defaults	Save & reset
Restore User Defaults	Save configuration and reset?
Boot Override IBA GE Slot 0700 v1410	Yes No



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	Intel(R) Management Eng Copyright(C)	ine BIOS Extension v 2003-13 Intel Corpor	9.0.0.0025/Intel(R) M ation, All Rights Res	E v9,5.13 erved
		MAIN MENU	J.	
> Int > Int > Int HEB	LOZIC el(R) ME General Settings el(R) AMT Configuration el(R) OEM Debug Configuratio « Exit	n		

3. The default password is "admin". But you will need to modify password with particular rule. We suggest "P@ssw0rd" here.

	Intel(R) Management Engine BIOS Extension v9.0.0.0025/Intel(R) ME v9.5.13 Copyright(C) 2003–13 Intel Corporation. All Rights Reserved
	MAIN HENU
> Inte > Inte > Inte HEB>	Lost (R) ME General Settings (R) AMT Configuration (R) GEN Debug Configuration Exit

4. AMT configuration.





5. Enable Manageability Feature Selection.



6. In option SOL/IDER/KVM. Enable ALL.



7. In option USER CONSENT.





8. In option NETWORK SETUP -> Intel (R) ME Network Name Setting



9. Type a host name and make "Shared/Dedicated FQDN" as "Shared"



10. In option TCP/IP SETTING -> Wired LAN IPV4 Configuration.





11. Enable DHCP **or** specify the IP Address/NetMask by Static IP. Recommend to use Static IP

TION
>
.100
55.0
.100 55.0

- 12. Verify with the third party tool:
- a. Intel AMT SDK https://software.intel.com/en-us/articles/intel-active-management-technology-dow
- nloads b. Open Source Tool Kit

http://opentools.homeip.net/open-manageability

- 13. Take MDTK tool kit as an example. (download from link).
- a. Please make sure the firewall is disabled. UNO-2483G-474AE only has LAN port A(I218) can support AMT function.
- b. Add AMT Computer



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 c. Enter IP address of target platform, account "admin", password "P@ssw0rd" for this document.



d. Once you are able to connect to unit, click "Take Control"

Manageability Commander Tool Me	sh Edition	
File Edit View Help		
⊡ ^[2] Network H - ^[3] 172.16.12.126 / admin Mesh Dixcovery	Connect & Control In this window, you can connect to an Intel AMT compute connected, you can control the computer remotely, remote on or of the Intel AMT computer you are connected b, oc network policies and filters, boot the computer to a remote view the hardware asset inventory, and read the computer's log.	r. Once ly turn drive, event
	Connection Remote Control Management Engine S Remote Control Serial-over-LAN IDE Redirect Redirection Port User Consent Required	ecunity Networking Enabled * Take Control Enabled * Take Control Enabled *
	Remote Desktop Remote Desktop Settings Remote Desktop Viewer	Enabled 💽 Launch Viewer

e. Reboot Unit after you enable Serial Over LAN (Terminal -> Connect SOL)



f. After you click Remote Reboot to BIOS setup. You are able to Control/ Monitor

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BIOS Screen.

A Manageability Te	erminal - 192.168.2.100	
Terminal Edit Serial-over-LAN - C Aptic S Main Adva BICS Inform BICS Vendor Core Versic Compliancy Project Ver Build Date Memory Info Memory Freq Total Memor System Time	Remote Command Disk Redirect Serial Agent Normal Reboot Power Up Power Up Power Down Remote Reboot Remote Reboot Remote Reboot to BIOS Setup Remote Reboot to Redirect Floppy Remote Reboot to Redirect Secure CD Remote Reboot to PXE Soft Remote Commands Agent Commands View Boot Capabilities View Boot Capabilities	Help Full power (50) cican Megatrends, Inc. Exit Set the Date. Use Tab to switch between Date elements.
Access Level Version TCP Redirect	1 Administrator n 2.15.1236. Copyright (C) 2012 Americ IDE Redurect Floppy Aunspecified>	F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
No Mapping Ok/Ok v0.1.34 Manageability Ter	minal - 172.16.12.126	
Terminal Edit Rep	mote Command Disk Redirect Serial Agent Help	
erial-over-LAN - Cor	anected	Full power (50
ntel Corporation ntel Active Mar	on. Copyright 2004-2009. nagement Technology - Serial Over LAM 4 6 5	N operational mode.

BICS Settings: <F2> One Time Boot Menu: <F7> Intel(R) AMT Client BICS Setup Entry



g. After specify Floppy and CDROM targets. You can select Redirect Active to activate IDE-R.



h. You can see floppy and CDROM devices on shown UNO-2483G. You can get files from these devices or even boot from them.







(Boot from remote CD-ROM)