

Product Notice #0252

AudioCodes One Box 365 Standard Edition - BIOS Update -

Notice Subject

BIOS update procedure for AudioCodes One Box 365 Standard Edition.

Notice Date

August 6, 2015

Notice Effective Date

Immediate

Affected Products

AudioCodes One Box 365 Standard Edition (based on Mediant 800B)

Notice Details

This Product Notice provides step-by-step instructions on how to update the BIOS on the Open Solution Network (OSN) server of AudioCodes One Box 365 Standard Edition (hereafter referred to as *AOB 365*). This update is mandatory for new deployments of AOB 365 Release 6.4.2 or later.



Notes:

- Customers with a live and operational AOB 365 deployment **must not** update the BIOS and can ignore this Product Notice.
- Customers already using this updated BIOS version can ignore this Product Notice.

The updated BIOS is Version 50127T00, from American Megatrends (AMI). This BIOS version fixes several issues discovered in previous BIOS versions and changes the OSN boot method to support the new AOB 365 USB install and recovery dongle.

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Notes:

- The new BIOS version is supported by AOB 365 Version 6.4.2 and later. Prior to performing the BIOS update, make sure that you have the AOB 365 version 6.4.2 or later USB dongle.
- The BIOS update requires the entire AOB 365 software to be reinstalled.

BIOS Update Procedure

The BIOS update procedure includes the following main steps:

- 1. Check your BIOS version
- 2. Download the BIOS
- 3. Create a bootable USB dongle for the BIOS upgrade
- 4. Upgrade the BIOS
- 5. Change SATA Mode

Check your BIOS version

Option 1 – Server Boot

- 1. Connect a monitor to your OSN server and restart the server.
- 2. Enter the OSN BIOS settings main screen; it displays the BIOS vendor and version.

Aptio Setup Utility – Copyright (C) 2011 American Megatrends, Inc. Main Configuration Boot Security Save & Evit Eve				
Build Date and Time BIOS Version Project Name	01/27/2015 11:37:34 50127T00 PCOM-B219VG-AC	Set the Time. Use Tab to switch between Time elements.		
Intel(R) Core(TM) i7-3612QE CP Intel Processor Family Name Intel PCH SKU Name	U @ 2.10GHz IvyBridge QM77			
Processor Frequency	2100 MHz			

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Option 2 – Windows Server

- 1. Connect to the OSN windows server, open the command shell and then run msinfo32.
- 2. In the Windows System Information dialog that opens, view the BIOS model and version in the 'BIOS Version/Date' field.

System Information					x
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>H</u> elp					
System Summary	Item	Value			
Hardware Resources	OS Name	Microsoft Windows Server 2012 R2 Standard			
₽- Components ❀- Software Environment	Version	6.3.9600 Build 9600			
	Other OS Description	Not Available			
	OS Manufacturer	Microsoft Corporation			
	System Name	DC-M8			
	System Manufacturer	AUDC219			
	System Model	To be filled by O.E.M.			
	System Type	x64-based PC			
	System SKU	To be filled by O.E.M.			
	Processor	Intel(R) Core(TM) i7-3612QE CPU @ 2.10GHz, 2100 Mhz, 4 Core(s), 8 Logical P			
	BIOS Version/Date	American Megatrends Inc. 50127T00, 1/27/2015			
	SMBIOS Version	2.7			
	Embedded Controller Version	255.255			
	BIOS Mode	Legacy			
	BaseBoard Manufacturer	INTEL Corporation			

3. If your BIOS is not AMI (American Megatrends, Inc.) or the version is not **50127T00** or later, you must upgrade your OSN BIOS.

Download the BIOS

- 1. Make sure you have a free USB dongle with a size of 1G or higher.
- 2. Download the BIOS from AudioCodes' Web site (<u>www.audiocodes.com</u>):
 - a. Open the Services & Support page. From the 'Type' dropdown select Software, from the 'Product Family' dropdown select AudioCodes One Box 365, and from the 'Product' dropdown select AudioCodes One Box 365 Standard Edition; the Mediant 800 OSN4 Ami BIOS Version 50127T00 link is displayed.
 - b. Click the link, accept the SLA, and then download the zipped file to a temporary folder on your PC.
 - c. Make sure the temporary folder includes these files:
 - BIOS_Ami_Ver_50127T00.img (the new BIOS image)
 - USB Image Tool.zip (USB Image Tool for creating a bootable USB for the BIOS upgrade)
 - AudioCodes Product Notice (AOB 365 BIOS Update containing instructions on how to perform the BIOS upgrade)

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Create a bootable USB dongle for the BIOS upgrade

- 1. Extract the USB Image Tool.zip file to a temporary folder on your PC.
- 2. Run the USB Image Tool.exe on your PC.



3. Plug the USB to your PC; the USB Image Tool will recognize the USB.



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4. Select the USB in the left window, press the **Restore** button and then select the BIOS image *BIOS_Ami_Ver_50127T00.img* from the temporary folder on your PC.

			· · · · · · · · · · · · · · · · · · ·
Name	Date modified	Туре	Size
📮 BIOS_Ami_Ver_50127T00.img	05-Aug-15 15:19	WinZip File	128,000 KB
	-	Image files (*.ir	mg; *.ima) 🔹
		Open	Cancel
		<u> </u>	

5. Click the **Open** button and then click **Yes** to approve the restore action.

Restore image	\mathbf{X}
Do you want to restore image 'D:\M1K SBA IMAGE\M1K.img' to 'Kingmax USB2.0 FlashDisk USB Dev	ice (F:\)'?
Yes No	

6. Make sure the restore process starts; view the progress indicator in the lowermost left corner of the screen.



7. Wait for the restore process to finish and then close the USB Image Tool.

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8. Make sure the new USB content includes the following files (note that it may include additional hidden files):

Name	Date modified	Туре	Size
BOOTLOG.TXT	05-Aug-15 20:31	TXT File	0 KB
Flash.exe	27-Jan-15 10:50	Application	4,438 KB
📄 Readme.txt	27-Jan-15 10:50	TXT File	1 KB
🚳 Update.bat	22-Nov-11 9:30	Windows Batch File	1 KB

- 9. Unplug the USB using the Safely remove hardware icon in the Windows tray.
- 10. Get the BIOS upgrade USB dongle ready.

Upgrade the BIOS

- 1. Connect the screen and keyboard to the AOB 365 OSN (on the rear panel).
- 2. Plug the BIOS upgrade USB dongle to the OSN USB port.
- 3. Boot the AOB 365 system using this USB disk drive.
- 4. Make sure the OSN boots from the USB and not the hard drive
- 5. Wait until you see the Win98 DOS prompt.



- 6. At the main prompt, type **Update.bat**, and then press the **Enter** key.
- 7. DO NOT POWER OFF the system until the BIOS process has completed.
- 8. When the upgrade has completed, it should display the FPT Operation Passed message.
- 9. Remove the USB disk drive.
- 10. Unplug the power cord, wait for 1 minute and then reconnect the power cord again; the system reboots.
- 11. Navigate to the BIOS menu using the F2 key.
- 12. Make sure the version of the new BIOS is now the correct version.
- 13. Change SATA Mode to AHCI (see below).

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Change SATA Mode

1. Open the BIOS Configuration, go to SATA Configuration, and select SATA Mode Selection.

Aptio Setup Utility - Copyright (C) 2011 American Regardenter Configuration		
SATA Configuration		 Determines how SATA controller(s) operate.
SATA Controller(s) SATA Mode Selection SATA Controller Speed Alternate ID	(Enabled) (RAID) [Gen2] [Disabled]	
Serial ATA Port 0	SAMSUNG MZ7LN2 (256.0	

2. Select the AHCI option.



- 3. Save the changes and exit to main toolbar. Choose Save & Exit.
- 4. Power up the system.

Your OSN BIOS is now upgraded to the latest version. You can continue with the installation of the AOB 365 software. Make sure you install AOB 365 version 6.4.2 or later.

For further instructions on how to get the latest AOB 365 version, please refer to the latest *Release Notes* on AudioCodes Web site at <u>http://www.audiocodes.com/products/one-box-365-standard</u>.

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