Agilent Technologies M9036A PXIe Embedded Controller AG19 BIOS Upgrade Utility Instructions

Description

The Agilent BIOS upgrade utility allows you to restore or upgrade the version AG19 BIOS in your M9036A PXIe Embedded Controller. The following process explains how to upgrade the BIOS in the Agilent M9036A.

IMPORTANT NOTE: This utility requires you to have a USB memory stick that can boot to MS-DOS[®] (with DOS system files). Several commercially available software programs are available to create your own MS-DOS[®] bootable memory stick.

Memory Stick Preparation

- 1. Download the *M9036_AG19_BIOS*.*zip* file to a computer ("AG19" is the BIOS version). The M9036A may be used but is not required in this step.
- Unzip the files from the M9036_AG19_BIOS .zip file and copy all files to the root directory of the DOS-bootable USB memory stick. For BIOS version AG19, the following files should have been unzipped: AFUDOS.exe, FLASHROM.bat, HISTORY.txt, and P3970019.

Install the BIOS

- 1. Start with the M9036A and chassis turned off.
- 2. Insert the bootable USB memory stick in one of the M9036A's USB ports.
- 3. Power on the PXIe chassis with the M9036A installed. When you see the following startup screen, press the keyboard **<F7>** key repeatedly.





4. This brings up the "Please select boot device:" menu.



5. Use the down arrow key (↓) to highlight the **[USB DISK:]** (the text for your USB disk may be different than what is shown above). Press the **<Enter>** key to select it. This opens a command window with the C: prompt.

Microsoft(R) Windows 98 (C)Copyright Microsoft Corp 1981-1998.	
C:\>_	

6. Optionally, type DIR and press the **<Enter>** key, this displays the BIOS update files.

Microsoft (C)Cop	:(R) Windows 98 nyright Microsoft Corp 1981-1998.
C:>>dir	
Volume i Volume S Director	in drive C is M9836A_BIOS Serial Nunber is 226E-FØE2 Y of C:\
P3970019	ROM 2.097,152 05-18-12 12:56a
AFUDOS	EXE 201,056 09-14-11 12:48a
FLASHROM	BAT 430 05-23-12 1:47a
HISTORY	TXT 15,072 05-18-12 1:04a
	4 file(s) 2,313,710 bytes
	0 dir(s) 118,968,320 bytes free
C:>>	

7. Type FLASHROM.BAT. Press the **<Enter>** key. This opens a warning message.



8. Press the **<Enter>** key to continue. This starts the BIOS update process. Let it run to completion as shown below.

AMI Firmware Update Utility(APTIO) v2.39 Copyright (C)2011 American Megatrends Inc. All Rights Reserved.	
+ Reading file done	•+
FFS checksums ok	
Erasing flash done	
Writing flash done	
Verifying flash done	
Erasing NVRAM done	
Writing NVRAM done	
Verifying NVRAM done	
Erasing BootBlock done	
Writing BootBlock done	
Verifying BootBlock done	
Done, please cycle power or reset the system now, and enter the BIOS	
setup to configure settings	
C:\>_	

- 9. At this point, the BIOS has been updated.
- 10. Cycle chassis power. At startup, repeatedly press the delete key to open the BIOS menu. Verify that **AG19** is the current version. Configure any other settings as needed.

BIOS Information		Set the Date. Use Tab to
Blue Vender	American Megatrends	switch between Data element
Core Version	4.6.3.7	
BIOS Version	AG19	
Build Date	05/18/2012 14:52:17	
Memory Information		
Total Memory	8192 MB (DDR3 1066)	
ME Information		
ME Version	6.1.2.1051	
Board Information		
BC Firmware Revision	1.5.2	++: Select Screen
Manufacture Date	05/06/2011	↑↓: Select Item
Last Repair Date	00/00/2000	Enter: Select
Serial Number	B4A0EA1007	+/-: Change Opt.
Hardware Revision	72113-0A30-200E	F1: General Help
Onboard LAN MAC ID	00-30-64-00-30-30	F2: Previous Values
Boot Counter	00000146	F3: Optimized Defaults
Running Time	00230 Hrs	F4: Save ESC: Exit
	[Wed 05/30/2012]	
System Time	[10:59:16]	
Access Level	Administrator	

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