

M9036A-03

S E R V I C E N O T E

Supersedes:
NONE

M9036A PXIe Embedded Controller

Serial Numbers: TW00000000 - TW53120403
BIOS: AG19 and below

Change in boot order causing long boot time for the M9036A

Parts Required:

P/N	Description	Qty.
NONE		

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:	
INFORMATION ONLY	
<input type="checkbox"/> Calibration Required <input checked="" type="checkbox"/> Calibration NOT Required	PRODUCT LINE: BL AUTHOR: TP
ADDITIONAL INFORMATION:	

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Situation:

It has been found, on rare occasion, that the Agilent M9036A BIOS version AG19 and below will change the Boot Option Priorities configuration to boot from LAN first instead of the hard drive. This occurs if booting from the hard drive does not initially succeed. When the Boot Option Priorities is changed, the BIOS boot option priorities sequence is reconfigured to the order listed below:

Boot Option Priorities	
Boot Option #1	[IBA GE Slot 2100...]
Boot Option #2	[Built-in EFI Shell]
Boot Option #3	[SATA: Intel SSDS...]

With the above option priorities set, the M9036A will first attempt to boot from LAN (IBA GE Slot 2100...). The second item in the list is a BIOS debug utility (Built-in EFI Shell) that is skipped during normal boot sequences. If the previous boot options do not succeed, then boot will revert to the hard drive. If the LAN line is connected, it will take longer than 1 minute before it reverts to the hard drive.

Solution/Action:

There are two solutions to fix this issue:

1. Update the BIOS to version AG20 or later. Refer to the M9036A product website for detail on how to update the BIOS.
2. If you want to keep using BIOS version AG19 or below, you can fix the problem by changing the Boot Option Priorities configuration back to boot from the hard drive first. Please note that if the hard drive does not boot successfully, the BIOS boot option priorities sequence is reconfigured to LAN being Boot Option #1.

Refer to the “Boot Setup Menu” section of the M9036A User’s Guide manual for detail on how to change the Boot Option Priorities configuration. The options should be in this order:

Boot Option Priorities	
Boot Option #1	[SATA: Intel SSDS...]
Boot Option #2	[IBA GE Slot 2100...]
Boot Option #3	[Built-in EFI Shell]

Revision History:

Revision Number	Date	Author	Reason For Change
1.0	8/8/2013	TP	As published