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BIOS Update Instruction for the Vig730M Motherboard

BIOS Version: E7996IV1.2DC and E7996IV1.2DD

- Before initiating a BIOS update, be sure to read and precisely follow the instructions included in this document.
- If a BIOS update process is interrupted or the incorrect BIOS is flashed, your system may not function properly and can possibly damage the motherboard.

Note: If the system is configured with ME firmware **11.0.0.1180**, please do not continue with BIOS upgrade process. Please contact Viglen technical support team for advice as special ME firmware BIOS update file will be required to update to ME firmware Version: **11.6.1.1142** first.

Identifying BIOS and ME Firmware

To identify BIOS and ME firmware versions on the system, carry out following steps.

1. During boot, enter the BIOS setup by pressing Delete key.
2. Check the Main menu.
3. Under System information, ME firmware version is displayed.

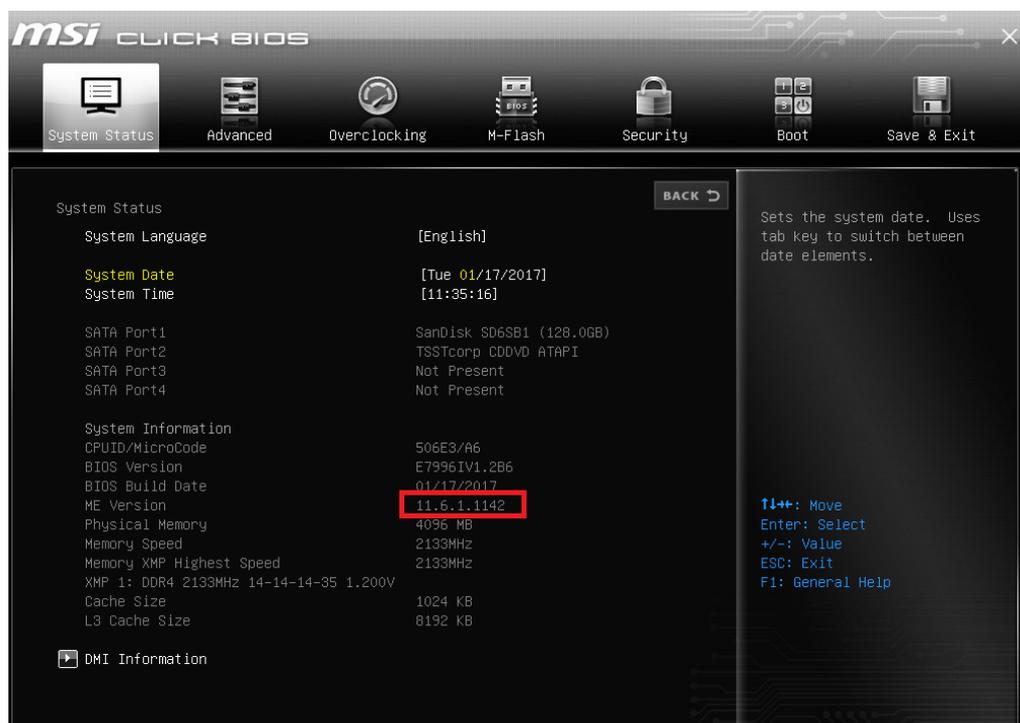


Figure 1 – BIOS setup, ME firmware details



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Two BIOS files are available; only require one update depending on the installed Operating system

E7996IV1.2DC

BIOS Date: 01/12/2018

ME Firmware: 11.8.50.3399

BIOS is configured with default BIOS settings for Windows 7

E7996IV1.2DD

BIOS Date: 01/12/2018

ME Firmware: 11.8.50.3399

BIOS is configured with default BIOS settings for Windows 10

Following Steps need to be carried out to complete the BIOS and ME firmware update process.

1. **Update BIOS and ME firmware to 11.8.50.3399**
2. **Reprogram UUID**

Step 1: Windows\WinPE BIOS and ME firmware Update

1. Save the BIOS update file to a temporary directory.
2. Extract necessary files.
3. Open Command Prompt
 - a. Type 'CMD' under Search.
 - b. Run Command Prompt as Administrator
4. In command prompt navigate to the extracted BIOS folder. (i.e. **Win10_E799IV1.2DD**)
5. At the prompt, type **flashBIOS.bat** to launch the BIOS updates process.

After BIOS update is completed system will re-start automatically.

IMPORTANT!

During the update process DO NOT shut down the PC or interrupt the process, this could cause damage to the motherboard.

Once BIOS update is complete, follow step 2 to reprogram the UUID.



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```
C:\windows\system32>cd..
C:\Windows>cd..
C:\>cd C:\Win7_E7996IV1.2DB
C:\Win7_E7996IV1.2DB>dir
Volume in drive C is Windows
Volume Serial Number is FA21-AF07

Directory of C:\Win7_E7996IV1.2DB

10/01/2018  19:01  <DIR>          .
10/01/2018  19:01  <DIR>          ..
20/11/2015  14:46             393,840  AMIDEWINx64.exe
20/11/2015  14:46             1,484  AMIDEWINx64.txt
27/08/2012  02:35             15,640  AMIFLDRV64.sys
10/01/2018  10:30              1,049  BIOS.bat
10/01/2018  14:10           8,388,608  E7996IV1.2DB
26/09/2017  23:28             11,708  fparts.txt
26/09/2017  23:28          3,260,560  FPTW64.exe
26/09/2017  23:28             72,848  Idrvdl132e.dll
26/09/2017  23:28            125,072  Pmxdll32e.dll
24/01/2014  17:13             10,620  readme.txt
10/01/2018  10:28              652  UUID.bat
               11 File(s)    12,282,081 bytes
                2 Dir(s)  43,806,449,664 bytes free

C:\Win7_E7996IV1.2DB>
```

Figure 2 – Details of Extracted file

```
*****
* PMPMS103 -Vig103M Motherbord
* BIOS E7996IV1.2DB
* BIOS Date: 01/10/2018
* ME Firmware: 11.8.50.3399
* BIOS is configured with default BIOS settings for Windows 7
*****

Before updating the BIOS on Viglen Vig103M (Vig103M) Motherbord, manually record all BIOS settings that have been changed (from default) so they can be restored after completing the BIOS update.

Please DO NOT Update this BIOS on any other motherbords.

DO NOT shutdown or power off the computer at any time during the update process.

Press any key to continue . . .
```

Figure 3 –Programing the BIOS and ME firmware

```
*****
* PMPMS103 -Vig103M Motherbord
* BIOS E7996IV1.2DB
* BIOS Date: 01/10/2018
* ME Firmware: 11.8.50.3399
* BIOS is configured with default BIOS settings for Windows 7
*****

Before updating the BIOS on Viglen Vig103M (Vig103M) Motherbord, manually record all BIOS settings that have been changed (from default) so they can be restored after completing the BIOS update.

Please DO NOT Update this BIOS on any other motherbords.

DO NOT shutdown or power off the computer at any time during the update process.

Press any key to continue . . .

Intel (R) Flash Programming Tool. Version: 11.8.50.3399
Copyright (c) 2007 - 2017, Intel Corporation. All rights reserved.

Reading HSFSTS register... Flash Descriptor: Valid

--- Flash Devices Found ---
MX25L6473E ID:0xC22017 Size: 8192KB (65536Kb)

GbE Region does not exist.

- Reading Flash [0x03EB880] 4014KB of 8192KB - 49 percent complete.
```

Figure 4 – Updateing the BIOS and ME firmwrae



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Step 2: Reprogramming UUID

1. Load Windows after BIOS flash is completed (As per step 1)
2. Open Command Prompt
 - a. Type 'CMD' under Search.
 - b. Run Command Prompt as Administrator
3. In command prompt navigate to the extracted BIOS folder. (as per step 1)
4. At the command prompt, type **flashUUID.bat** to program the UUID.

```
C:\Vig730M\Win7_E799IV1.2DC>dir
Volume in drive C is Windows
Volume Serial Number is 1621-0CBC

Directory of C:\Vig730M\Win7_E799IV1.2DC

12/01/2018  17:41    <DIR>          .
12/01/2018  17:41    <DIR>          ..
20/11/2015  14:46                393,840 AMIDEWINx64.exe
20/11/2015  14:46                1,484 AMIDEWINx64.txt
27/08/2012  02:35                15,640 AMIFLDRV64.sys
12/01/2018  09:46            8,388,608 E7996IV1.2DC
12/01/2018  08:39                1,050 FlashBIOS.bat
11/01/2018  11:56                654 FlashUUID.bat
26/09/2017  23:28                11,708 fparts.txt
26/09/2017  23:28            3,260,560 FPTW64.exe
26/09/2017  23:28                72,848 Idrvdl132e.dll
26/09/2017  23:28            125,072 Pmxdll32e.dll
                10 File(s)      12,271,464 bytes
                2 Dir(s)    40,789,041,152 bytes free

C:\Vig730M\Win7_E799IV1.2DC>flashuuiid
```

Figure 5 – programming UUID

```
*****
* PMPMS730 -Vig730M Motherbord
*
*****
After BIOS update, UUID needs programmed on Viglen Vig730M (Vig730M) Motherbord.
Please DO NOT run this Utility on any other motherbords.
DO NOT shutdown or power off the computer at any time during the update process.

+-----+
|               AMIDEWINx64 Utility (Aptio)   v5.16               |
|               Copyright (C)2014 American Megatrends Inc. All Rights Reserved. |
+-----+

Initializing the SMBIOS interface. Please wait a moment.....
-----
Name           R/W  Status  Information
-----
(/SU)System UUID      W    Done   "46A93113DBF7E711A6C01410EBA56800"
-----
C:\Vig730M\Win7_E799IV1.2DC>
```

Figure 6 – Programming UUID