



BIOS (9921) Update Instruction for the Vig7oos Motherboard PMPAS700- VIG700S

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

Before updating the BIOS 9921 following must be checked first in BIOS setup:

Check the ME Firmware.

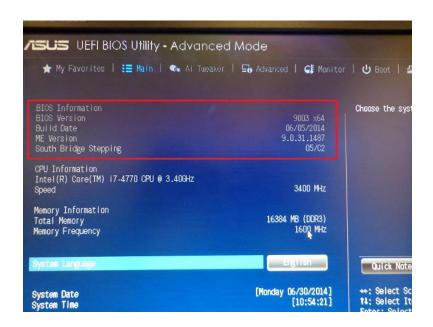
IMPORTANT:

If the system is configured with ME firmware version **9.0.31.1482** then ME firmware update is <u>not</u> required. Only BIOS update is required.

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. Press F7 for Advanced Mode.



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Following two steps need to be carried out if ME firmware version is below 9.0.31.1487

- 1. ME_Firmware_1.5M_9.0.31.1482
 - ME Version: 9.0.31.1482
- 2. Update BIOS_9921V

BIOS Details: Version 9921 BIOS Date: 06/04/2014 BIOS is configured with default BIOS settings for Windows 7 O/S BIOS Notes: Supports Haswell Refresh CPU's

Steps 1 – Update ME Firmware to version - 9.0.31.1482.

ME Firmware version update Instructions under DOS:

- 1. Save zipped file to a temporary directory.
- 2. Extract the necessary files.

3. Copy the contents of the file to a bootable USB or CD-ROM drive formatted using FAT32/16 on a single partition.

- 4. Boot the target PC with the device connected or inserted.
- 5. Select **<F8>** during POST to display the Boot Menu and select your bootable device.
- 6. At the DOS prompt Type 'Update.bat' to launch the ME firmware updates process.
- 7. System will reboot after update has been completed.

After updating the ME Firmware next step is to update the BIOS.

There are up to four methods of updating BIOS to the latest Viglen approved version. The number of options made available for any particular board may vary depending on BIOS Support, drive support and BIOS update file size. You only need to use one.

- DOS BIOS Updater
- EZ-Flash 2 Update
- Recovering the BIOS CrashFree BIOS 3 (recover corrupted BIOS)
- Windows



BIOS Update Instructions under DOS:

1. Save BIOS update zipped file to a temporary directory.

2. Extract the necessary files.

3. Copy the contents of the file to a bootable USB or CD-ROM drive formatted using FAT32/16 on a single partition.

- 4. Boot the target PC with the device connected or inserted.
- 5. Select <F8> during POST to display the Boot Menu and select your bootable device.
- 6. At the DOS prompt Type 'Flash.bat' to launch the BIOS updates process.
- 7. Reboot the system once complete.

8. Enter the BIOS Setup and Ensure to load the BIOS default settings to ensure system compatibility and stability. Select the Load Optimized Defaults item under the Exit menu.

IMPORTANT!!!!!

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

BIOS Update Instructions using EZ-Flash Method:

For this method you will require a Flash USB device and required BIOS file.

- 1. Insert the USB flash disk that contains the latest BIOS file to the USB port.
- 2. Select or <F2> to Load BIOS Setup.
- Enter the Advanced Mode (F7) of the BIOS setup program. Go to the Tool menu to select ASUS EZ
 Flash Utility and press <Enter> to enable it.



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4. Press the Up/Down arrow keys to find the USB flash disk that contains the latest BIOS, and then press <Enter>.

SUS UEFI BIOS Utilit	y - Advanced Mode	Exit
ASUS EZ Flash 2 Utility v02.0		
⁴ Flash		
Model: H81I-PLUS		Date: 12/03/2013
▶File Path: fs2:\		
Drive fs0:\ (System Reserved) fs1:\ fs2:\ (VIG70DS) fs3:\ (WDXDCD74	Folder 01/07/14 10:13a 8390656 0703V.CAP	*
⁴ File		
Model:	Version:	Date:
●Help [Enter] Select or	Load [Tab]Switch [Up/Down/PageUp/PageDown/Home/End]Mo	ve [ESC] Exit

5. Select the correct BIOS file, and then press <Enter> to perform the BIOS update process.

Flash		
Nodel: H81I-PLUS		
File Path: fs2:\		
Drive fsO:\ (System Reserved) fs1:\ fs2:\ (VIG700S) fs3:\ (WDXDCD74	Folder 01/07/14 10:13a 8390656 0708V	LCAP
	Do you want to read this f	
File		
Model:	Version: 🕨	Date:
DHelp		
[Enter] Select or	· Load [Tab] Switch [Up/Down/PageUp/PageDow	n/Home/End] Move [ESC] Exit

6. Reboot the system when the update process is completed.

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ISUS UEFI BIOS Utilit	y - Advanced Mode	🗊 Exit
⁴ Flash		
▶File Path: fs2:\		
Drive	Folder	
fsD:\ (System Reserved) fs1:\ fs2:\ (VIG70DS) fs3:\ (WDXDCD74	01/07/14 10:13a 8390656 0708V.C/ Update successfully! System wil reset!	
4 File		
Model: H81I-PLUS	Version: 0708	Date: 12/03/2013
● Help Processing		

- 7. After restarting load BIOS setup menu by pressing < Del> or <F2> key.
- 8. Load Default BIOS settings by pressing <F5> key.





I Exit/Advanced Mode								
Monday[01/13/2014] H811-PLUS BIOS Version: 0708 English V CPU Type: Intel(R) Core(TM) i5-4430 CPU @ 3.00GHz Speed: 3000MHz Total Memory: 4096MB (DDR3 1333MHz) Total Memory: 4096MB (DDR3 1333MHz) Speed: 3000MHz								
💠 CPU Information	🎟 DRAM Informa	🎟 DRAM Information 😽 Fan						
Temp. +98.6°F/+37.0°			CPU_FAN 1041RPM	Standard 💎				
Voltage 0.933	3V DIMM_B1: N/A		CHA_FAN1 2601RPM	Standard 🔻				
G. System Performance	(incompare) Norma I	ASUS Optimal	Quiet Per formance	Energy Saving				
ن Boot Priority	U Boot Priority							
Shortcut(F3) Ad	vanced Mode(F7) S	ATA Information	Boot Menu(F8)	Default(F5)				

9. Press F10 to Save and Exit.

Note:

- This function supports USB flash disks formatted using FAT32/16 on a single partition only.
- Ensure to load the BIOS default settings to ensure system compatibility and stability. Select the Load Optimized Defaults item under the Exit menu. .

IMPORTANT!!!!!

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





Recovering the BIOS - CrashFree BIOS 3

The CrashFree BIOS 3 is an auto recovery tool that allows you to restore the BIOS when it fails or gets corrupted during the updating process. You can restore a corrupted BIOS file using the motherboard support DVD or a USB flash drive that contains the updated BIOS file.

Before using this utility, rename the BIOS file in the removable device into **H81IPLUS.CAP**

To recover the BIOS:

- 1. Turn on the system.
- 2. Insert the support DVD to the optical drive or the USB flash drive that contains the BIOS file to the USB port.
- 3. The utility automatically checks the devices for the BIOS file. When found, the utility reads the BIOS file and enters ASUS EZ Flash 2 utility automatically.
- 4. The system requires you to enter BIOS Setup to recover BIOS settings. To ensure system compatibility and stability, we recommend that you press <F5> to load default BIOS values.

DO NOT shut down or reset the system while updating the BIOS! Doing so can cause system to fail!



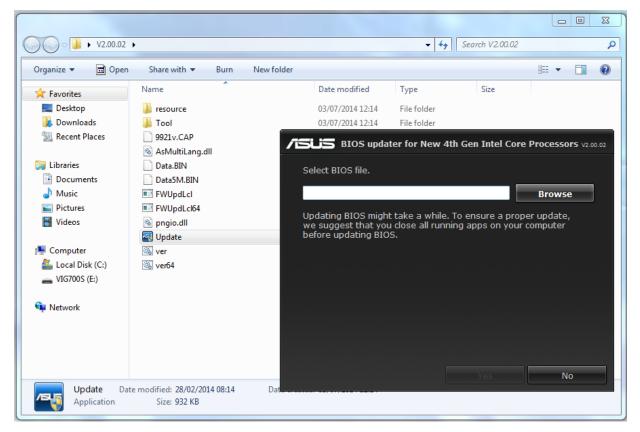
Windows

Before using the BIOS updater tool under please ensure the CPU is 4th Generation Core processor.

BIOS 9921_updater_for_4th_Gen_Intel_Core_Vig700S

Windows

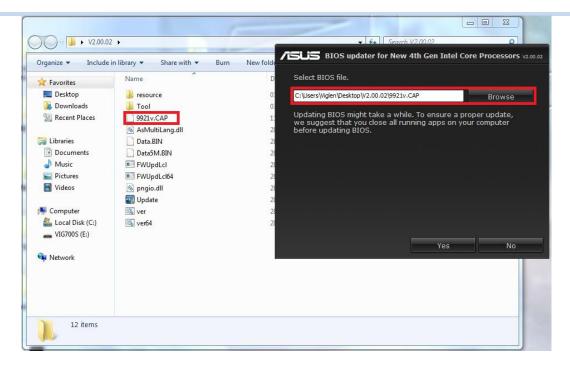
- 1. Save the BIOS update file to a temporary directory.
- 2. Extract necessary files.
- 3. Run 'Update. to start the update process



4. Click on browse and select the BIOS file.







- 5. Select 'Yes' to start the BIOS update process.
- 6. After BIOS has been updated Select 'Yes' to restart the system



CAUTION!!! DO NOT POWER DOWN YOUR SYSTEM before the update is completed.

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Latest BIOS files and Utility are available from Viglen FTP site: http://download.viglen.co.uk/files/Motherboards/Vig700S

Additional information:

For BIOS, Drivers and Documentation enquiries please contact Viglen Technical Support Department at <u>technical@viglen.co.uk</u>.

Remember to include your PC serial number in all correspondence.