



BIOS Update Instruction for the Vig850G Motherboard PMPGG850- Vig850G

- 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

Important Information:

Before updating the BIOS to latest 'F5' version following must be checked first on the motherboard:

- Check the BIOS version
- Minimum BIOS version must be 'F3'

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

- 1. During boot, enter the BIOS setup by pressing 'F12' key.
- 2. Select 'Enter Setup'

Please select boot device:
Windows Boot Manager (P2: SAMSUNG M27TE128HMGR-00000) IBA CL Slot 00FE v0110 UEFI: Built-in EFI Shell P2: SAMSUNG M27TE128HMGR-00000 Generic STORAGE DEVICE 0903 Enter Setup
↑ and ↓ to move selection ENTER to select boot device ESC to boot using defaults

Figure 1- Select 'Enter Setup'





Main Advance	Aptio Setup ed Chipset	Utility – Security	Copyright (C) 2017 (Boot Save & Ckit			
BIOS Informat	ion					
Project Name Project Versi Build Date ar	on Id Time		MDQ17AI-SI F3 06/12/2017 10:06:25			
LAN MAC Addre	ess		1C-1B-0D-84-91-88			
Memory Infor Total Memory	mation		4096 MB			
ME Firmware	Version		11.6.29.3287			
System Date System Time			[Mon 06/19/2017] [18:42:38]			

Figure 2 – Sect the BIOS version

If the BIOS version is 'F3', you may continue to update the BIOS to version 'F5'. If the BIOS revision is 'F1' or 'F2', Please do not proceed with BIOS update. BIOS version must be updated to version 'F3'. Please download the BIOS from FTP link.

Before Updating the BIOS to 'F5'

Please enable following settings in BIOS before updating the BIOS 'F5'.

- ME FW Image Re-Flash : Enabled
- 1. During boot, enter the BIOS setup by pressing 'F12' key.

- Select 'Enter Setup'
 Select 'Save & exit' from the Menu
 Select 'ME FW Image Re-Flash' and set to Enabled
- 5. Select 'Save changes and Reset'

Aptio Setup Utility - Copyright (C) 2017 Americ Main Advanced Chipset Security Boot Save & Exit	tan Megat
Save Options Save Changes and Reset Discard Changes and Reset	Er Re
Restore Defaults Boot Override Windows Boot Manager (P5: WDC WDS250G1B0A-00H9H0) UEFI: IP4 Intel(R) Ethernet Connection (2) I219-LM	
MEFI: IP6 Intel(R) Ethernet Con Me FW Image Re-Flash Me FW Image Re-Flash Enabled	++: Si 11: Se Enter:
	+/-: C F1: Ger F2: Pre F3: Opt F4: Sav

Figure 3 – ME FW Image RE-Flash

XMA Limited, 7 Handley Page Way, Old Parkbury Lane, Colney Street, St. Albans, Hertfordshire AL2 2DQ

Tel: 01727 201 850 | Fax: 01727 201858 | Email: technical@viglen.co.uk| Web: www.viglen.co.uk



There are up to three 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
- UEFI:Built-In EFI_Flash
- Windows\WinPE BIOS Update

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 DOS USB formatted using FAT32/16 on a single partition.
- 4. Boot the target PC with the device connected or inserted.
- 5. Select <F12> during POST to display the Boot Menu and select your bootable DOS device.
- 6. At the DOS prompt Type 'DOS_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 "Restore Defaults" option 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 for EFI-Shell:

- 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 DOS USB formatted using FAT32/16 on a single partition.
- 4. Boot the target PC with the device connected or inserted.
- 5. Select <F12> during POST to display the Boot Menu
- 6. Select UEFI: Built-in EFI shell

Please select boot device:
Windows Boot Manager (P2: SAMSUNG MZ7TE128HMGR-00000) IBA CL Slot 00FE v0110 UEFI: Built-in EFI Shell P2: SAMSUNG MZ7TE128HMGR-00000 Generic STORAGE DEVICE 0903 Enter Setup
↑ and ↓ to move selection ENTER to select boot device ESC to boot using defaults

7. Navigate to the removable USB device i.e. FS3:\ and press enter.

fs3:\D08> d: Directory of	ir : fs3:\	D08		
05/15/17 05/15/17 05/15/17 03/17/17 01/12/17 06/28/16 07/21/15 08/20/15 04/07/17 04/07/17 05/15/17 8 3	04:36p 04:36p 08:16p 12:50p 07:48p 11:37a 07:50a 07:34p 06:59p 06:59p 06:59p 5:12e(s) Dir(s)	<dir> <dir> <dir> <dir> 21,303</dir></dir></dir></dir>	16,384 0 16,384 168,336 396,400 36 676,335 3,284,992 139 151 16,777,216 ,605 bytes	 AFUDOS.EXE AfuEfix64.efi eelog.dat Eeupdate.exe eeupdate64e.efi flash.bat flash.nsh image.bin

8. Type flash.nsh to start the BIOS update process.

XMA Limited, 7 Handley Page Way, Old Parkbury Lane, Colney Street, St. Albans, Hertfordshire AL2 2DQ





Windows\WinPE BIOS Update

- 1. Save the BIOS update file to a temporary directory.
- 2. Extract necessary files.
- 3. Open Commend Prompt
 - a. Type 'CMD' under Search.
 - b. Run Commend Prompt as Administrator
- 4. In commend prompt navigate to the extracted BIOS folder. (i.e. **_Win_D08**)
- 5. At the prompt, depending on a 32bit or 64bit operating system, type Win32_flash.bat for

32bit or Win64_flash.bat for 64bit to launch the BIOS update process.

During BIOS update process, when prompted, press any key to continue the process.

← → + ↑ → Tr	is PC → Local Disk (C:) → BIOS				~ Ö	Search BIOS	Q.	
x Quick access Destop # Downloads # Downloads # Downloads # Pictures # Music Videos	Name	Date modified 26/04/2016 04-88 26/04/2016 04-82 04/12/2014 17:58 04/12/2014 17:58 24/08/2016 02:38 01/09/2016 12:13	Type Application Application System file System file BIN File Windows Batch File Windows Batch File	Size 314 KB 383 KB 14 KB 18 KB 16,384 KB 1 KB 1 KB				
ConeDrive		Admi	nistrator: Command Pre	ompt - winflash64				- 🗆 X
This PC		* Puppe	-Vinecoc .M	017AT				^
		* BIOS * BIOS Before ed (fro Please DO NOT Press ar	Date: 08/12/2016 is configured w updating the BIO m default) so th DO NOT Update th shutdown or powe ny key to contin	i 10:09:36 with default BIOS OS on Viglen Vig8 Hose the restor his BIOS on any o er off the comput hue	settings for 50G (Vig850G ed after comp ther motherbo er at any tim	Windows 10) Motherbord, man leting the BIOS u unds. we during the upda	wally record all BIOS set pdate. te process.	tings that have been chang
7 items								

6. BIOS update process will continue.

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

- 7. Once BIOS update is completed, the system will auto restart.
- 8. During system re-boot, load BIOS setup menu by pressing the < Del> key.
- 9. Load Default BIOS settings by browsing to the save and exit menu and select restore defaults
- 10. Press to save changes and reset.

Latest BIOS files and Utility are available from Viglen FTP site: http://download.viglen.co.uk/files/Motherboards/Vig850G/

Additional information:

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

Remember to include your PC serial number in all correspondence.

XMA Limited, 7 Handley Page Way, Old Parkbury Lane, Colney Street, St. Albans, Hertfordshire AL2 2DQ