



# 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 'F9' 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 POST, 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'







Figure 2 – Sect the BIOS version

If the BIOS version is 'F3', you may continue to update the BIOS to version 'F9'. 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 'F9'

Please enable following settings in BIOS before updating the BIOS 'F9'.

- BIOS Lock : Disabled
- 1. During boot, enter the BIOS setup by pressing 'F12' key.
- 2. Select 'Enter Setup'
- 3. Select 'Chipset' from the Menu
- 4. Set it to **Disabled**
- 5. Select 'Save changes and Reset'

Aptio Setup	Utility – Copyright (C) 2018 American Me
Main Advanced Chipset	Security Boot Save & Exit
Onboard Audio	[Enabled]
DMIC Support	[Enabled]
Onboard LAN	[Enabled]
NFC Feature State	[Disabled]
LVDS Support Panel Type	[AUTO] [1920x1080 / 24 bit / Dual channel]
VT-d	[Enabled]
DVMT Pre-Allocated	[32M]
ERP Support	[Disabled]
Restore AC Power Loss	[Power Off]
BIOS Lock	[Disabled]

Figure 3 – BIOS lock 'Disabled'





## **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



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

fs3:\: fs3:\ Direc	> cd d( DO8> d) tory of	08 ir f: fs3:\	D08			
05/ 05/ 03/ 01/ 06/ 07/ 08/ 04/ 04/ 05/	15/17 15/17 15/17 17/17 12/17 28/16 (21/15 (21/15 (20/15 (07/17 /07/17 /15/17 8 3	04:36p 04:36p 12:50p 07:48p 11:37a 07:50a 07:34p 06:59p 06:59p 08:13p File(s) Dir(s)	<dir> <dir> <dir> 21,30</dir></dir></dir>	16,38 168,33 396,40 3 676,33 3,284,99 13 13 15 16,777,216 3,605 bytes	84 0 36 36 36 5 2 9 1 1 6 3	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.

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



Once BIOS has been flashed successfully, following BIOS and ME firmware should be displayed.

BIOS Version: F9 BIOS Build Date: 01/18/2018 ME Firmware: 11.8.50.3399

Aptio Setup Utility Main Advanced Chipset Security	– Copyright (C) 2018 American ) y Boot Save & Exit
BIOS Information	
Project Name Project Version	MDQ17AI-SI
Build Date and Time	01/18/2018 12:04:42
LAN MAC Address	1C-1B-0D-84-91-88
Memory Information Total Memory	4096 MB
ME Firmware Version	11.8.50.3399
System Date System Time	[Thu 01/18/2018] [10:53:19]

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

#### 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.