



BIOS Update Instruction for the Vig68oG Motherboard PMPGA680- Viglen VIG680G

- 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

There are up 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 Update
- Q-Flash Update

BIOS Update Instructions using Bootable USB key:

- 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 floppy disk, USB device or CD-ROM.
- 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 device.
- 6. Type 'Flash.bat' to launch the BIOS updates process.
- 7. Reboot the system once complete.
- 8. Enter the BIOS Setup and select Restore defaults. Then save and exit.

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 Q-Flash Method:

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

- This function supports USB flash disks formatted using FAT32/16 on a single partition only.
- Ensure BIOS file is copied onto root of the USB media.
- 1. Save BIOS update zipped file to a temporary directory.
- 2. Extract the BIOS file.
- 3. Copy the BIOS file to a USB device (make sure the BIOS file is on the root directory of the flash drive)
- 4. Boot the target PC with the device connected or inserted.
- 5. Press the **<F12>** key during POST checks for Boot Menu and select **<Enter Setup>** option
- 6. Select **Q-Flash** from the BIOS Setup menu.

GIGABYTE - UEFI DualBIOS					
		No. Contraction of the second s	R		
H.I.T.	System Information	BIOS Features	Peripherals	Power Management	Save & Exit
*				English	Q-Flash
System Informatio	n			Choose the system default	language
Model Name		B85M-DS3H-A			
BIUS Version		F1 00 /05 /0015			
BIUS Date BIOS IN		80240602			
41 6010		012-11002			
System Language			English		
System Date		IThurs	day 07/30/2015]		
System Time		[17:19):41]		
				++: Select Screen 14/Cli	ck: Select Item
Access Level		Administrator		Enter/Dbl Click: Select	
				+/-/PU/PD: Change Opt.	
				F1 : General Help	
				F5 : Previous Values	
				FR : O_Flack	
				F9 : Sustem Information	
				F10 : Save & Exit	
				F12 : Print Screen (FAT16/	32 Format Only)
				ESC/Right Click: Exit	
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7. Select <Q-Flash>

GIGABYTE - UEFI DualBIOS					
		STORE STORE	R		-
M.I.T. Syst	em Information	BIOS Features	Peripherals	Power Management	Save & Exit
				English	n Q-Flash
M.I.T. Current Status				Show all information ab	out M.I.T. status
▶ Advanced Frequency Settin	ngs				
▶ Advanced Memory Settings					
Advanced Voltage Settings	6				
▶ PC Health Status					
Miscellaneous Settings					
		k			
BIOS Version		F1			
Customer Code		VF		++: Select Screen 14/C	lick: Select Item
BCLK		99.79MHz		Enter/Dbl Click: Select	
CPU Frequency		3392.81MHz		+/-/PU/PD: Change Opt.	
Memory Frequency		1330.56MHz		F1 : General Help	
Total Memory Size		8192MB		F5 : Previous Values	
				F7 : Optimized Default	S
CPU Temperature		46.0°C		F8 : Q-Flash	
				F9 : System Information	n
Vcore		1.080V		F10 : Save & Exit	
DRAM Voltage		1.5000		F12 : Print Screen (FAT1)	6/32 Format Only)
				ESC/Right Click: Exit	
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Plug in the USB media which contains the correct BIOS file, if this was not done in step 4.

8. Select <Yes> from Q-Flash menu

GIGABYTE - UEFI DualBIOS			
H.I.I. Susten Information	BIOS Features	Peripherals	Pouer Management Save & Exit
			English Q-Flash
Save & Exit Setup Exit Without Saving			Exit BIDS saving all changes made.
Boot Override UEFI: IP4 Realtek PCIe GBE Family C UEFI: IP6 Realtek PCIe GBE Family C Multi Flash Reader 1.00	Q-F1 Enter Q-Flas	ash sh Utility?	
PO: WDC WD5000AAKX-001CA0 Generic Flash Disk 8.07 P1: TSSTcorp CDDUDW SN-T083C Realtek PXE B02 D00 WEFI: Generic Flash Disk 8.07	Yes	No	Select Screen 14/Click: Select Item Enter/Dbl Click: Select +/-/PU/PD: Change Opt. F1 : General Help F5 : Previous Values
Save Profiles Load Profiles			F7 : Optimized Defaults F8 : Q-Flash F9 : System Information F10 : Save & Exit F12 : Print Screen(FAT16/32 Format Only) ESC/Right Click: Exit
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9. Select < Update BIOS From Drive>

GIGABYTE - UEFI DualBIOS			
	A Carlo Mar	0	
N.I.I. Suster Save B Exit Setup Exit Without Saving	Q-Flash Utility v1.05 Model Name : B05M-DS3H-A BIOS Version : F1 BIOS Date : 07/03/2015 Flash Type/Size : MKIC 25L3206E 4MB Update BIOS From Drive		ment Save & Exit English Q-Flash ing all changes made.
Load Optimized Defaults Boot Override UEFI: IP4 Realtek PCIe GBE 1 UEFI: IP6 Realtek PCIe GBE	Save BIOS to Drive Exit Q-Flash Family Controller Family Controller		
Muiti Flash Reader 1.00 PO: WDC WD5000AAKX-001CA0 Gemeric Flash Disk 8.07 P1: TSSTcorp CDDVDW SN-T083 Realtek PXE B02 D00 WEFI: Generic Flash Disk 8. Save Profiles Load Profiles	C 07	++: Select So Enter/Dbl Cl: +/-/PU/PD: Cl F1 : General F5 : Previou F7 : Optimiz F8 : Q-Flas F9 : System F10 : Save & F12 : Print ESC/Right Cl	creen fi/Click: Select Item ick: Select hange Opt. I Help is Values zed Defaults h Information Exit Screen (FMT16/32 Format Only) ick: Exit

10. Select **<Mass Storage>** from the Select Device Menu.

ATT Soft BTT Soft <th></th> <th>GIGABYTE - UEFI DualBIOS</th> <th></th>		GIGABYTE - UEFI DualBIOS	
B J 11 Solid B J 11 B J 11 B J 11 <	(*)		0
Exit Without Saving Load Optimized Defaults Not Override UEF1: IP4 Realtek PCIe GBB VEF1: IP6 Realtek PCIe GBB Po: UBC UDS000mKK-00100 Generic Flash Disk 8.07 P1: FSSTcorp CDDUDU SN-r00 Realtek PKE B02 D00 UEF1: Generic Flash Disk 8.07 Save Profiles Load Profiles <td< th=""><th></th><th>Q-Plash Utility v1.05 Model Name : B85M-D33H-A BIOS Version : P1 BIOS Date : 07/03/2015</th><th>iment Sawe & Exit English Q Plack</th></td<>		Q-Plash Utility v1.05 Model Name : B85M-D33H-A BIOS Version : P1 BIOS Date : 07/03/2015	iment Sawe & Exit English Q Plack
Update BIOS From Drive Select Device Belect Device UEF1: IP4 Reattek PCLe GBH Mitti IP4 Reattek PCLe GBH Mitti Plash Reader 1.00 Po: UNC UDS000/nKX-001CA0 Generic Flash Disk B.07 P1: ISSTcorp CDDUW SN-108 Reattek PKE B02 D00 UEF1: Generic Flash Disk B.07 Save Profiles Load Profiles Save Profiles Load Profiles Description P1: System Information P10: Save 8 Exit F12: Print Screen (PMT16/32 Format Only) ESC/Right Click: Exit	Exit Without Saving	Flash Type/Size : MXIC 25L3206E 4MB	
Select Device Boot Override UEFI: IP4 Reattek PCIe GBE Muitt Flash Reader 1.00 P0: WDC WD50600ARK-001CA0 Generic Flash Disk 8.07 P1: TSSTcorp CDDUDW SN-TOR Realtek PKE B02 D00 WEFI: Generic Flash Disk 8.07 Save Profiles Load Profiles </th <th>I ned fluit in isond Berlau I to</th> <th>Update BLOS From Drive</th> <th></th>	I ned fluit in isond Berlau I to	Update BLOS From Drive	
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Save Profiles Load Profiles F5 : Previous Values F7 : Optimized Defaults F8 : Q-Flash F9 : System Information F10 : Save 8 Exit F12 : Print Screen (FAT16/32 Format Only) ESC/Right Click: Exit	Generic Flash Disk B.07 Pl: TSSTcorp DDBUM SN-T08 Realtek PKE B02 D00 UEFI: Generic Plash Disk B.0	Yr.	reen 14/Click: Select Item ck: Select ange Opt. F1 : General Help
Copyright (C) 2014 American Megatrends, Inc.	Save Profiles Load Profiles		F5 : Previous Values F7 : Optimized Defaults F8 : Q-Flash F9 : System Information F10 : Save & Exit F12 : Print Screen(FAT16/32 Format Only) ESC/Right Click: Exit
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11. Browse through the USB device for the BIOS file (i.e. MDS3HAVF.XXX). Highlight the BIOS file and Press enter, then Select **<Yes>** to update BIOS



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GIGABYTE - UEFI DualBIOS Q-Flash Utility v1.05 Model Name : B85M-DS3H-A **BIOS Version : F1** BIOS Date : 07/03/2015 Flash Type/Size : MKIC 25L3206E 4HB . Q-Flash Hodel Name : B85M-DS3H-A 2.3 **BIOS Version : F1** <...> BIOS Date : 07/03/2015 <BIOS Checksum = DC24h <BIOS Are you sure to update BIOS? 111 No Yes creen(FAT16/32 Format Unly)

9. Q-Flash will perform BIOS update and reboot.

	GIGABYTE - UEFI Dua	IBIOS
B.I.I. Saue & Exit Setup Exit Without Sector	Q-Flash Utility v1.05 Model Name : B85M-DS3H-A BIOS Version : F1 BIOS Date : 07/03/2015 Flash Tupe/Size : MXIC 25L3206E 4MB	
Load Optimized Defaults Soot Override UEF1: IP4 Realtek PCIe GBE UEF1: IP6 Realtek PCIe GBE Multi Flash Reader 1.00 Generic Flash Disk 8.07 P1: TSSTcorp CDDUDU SN-TOB Realtek PKE B02 D00 UEF1: Generic Flash Disk 8 Save Profiles Load Profiles	Update BIOS From Dr v o Q-Flash <> SBIOS Don't turn off power or res SBIOS MDS3HD Uerifying now	et system reen T4/Click: Select Item ck: Select ange Opt. Help s Values ed Defaults Information Exit creen (FAT16/32 Format Only)
-	Copyright (C) 2014 American Meg	atrends. Inc.

IMPORTANT!!!!!

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