

# BIOS Information for the Vig642M Motherboard

- 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.

There are three different versions of the Vig642M Motherboards:

- PMPMS642** Viglen Vig642M Motherboard (rev. 1.0)
- PMPMS643** Viglen Vig642M Motherboard (rev. 2012)
- PMPMS644** Viglen Vig642M (Vig644) Motherboard (rev. 2012.2)

It is important that you check which version of the motherboard is installed on your system before updating the BIOS.

This can be done by first checking the serial number located on the rear of your system, near to the power supply. It is a seven digit serial number suffixed with 3 characters.



**PMPMS642** - Vig62M Motherboard (rev: 1.0)

**OR**

**PMPMS644** - Vig642 Motherboard (rev.2012.2)

**PMPMS643** - Vig642M Motherboard (rev. 2012)

You will then have to carry out a serial number search on the following URL:

<http://www.viglen.co.uk/viglen/support/serialnumbersearch.aspx?GUID>

**Note:** Only the first seven digits are required for this serial number search function.

This will then provide a complete breakdown of each part within your system. It will also show the Viglen part code for the version of the Vig642M Motherboard installed in your system, which would be one of the following:

- PMPMS642** - Viglen Vig642M Motherboard
- PMPMS643** - Viglen Vig642M Motherboard (rev. 2012)
- PMPMS644** - Viglen Vig642M Motherboard (rev. 2012.2)

- **Viglen Part Code: PMPMS642 and PMPMS643** - motherboards should only be updated with BIOS version **E7788IV1 V2.xxxx**. (PMPMS642\_Vig642M\_rev.2012)

**NOTE:** BIOS version **E7788IV1 V2.4B10** will appear in the BIOS System Information.

```
System Information
Intel(R) Core(TM) i5-2320 CPU @ 3.00GHz
CPUID/MicroCode          206a7/25
BIOS Version              E7788IV1 V2.4B10
Build Date                04/13/2012
ME Version                8.0.0.1351
Physical Memory           4096 MB
Cache Size                1024 KB
L3 Cache Size             6144 KB
```

Figure 1 – PMPMS642 & PMPMS6

- **Viglen Part Code: PMPMS644** - Vig642M rev. 2012.2 motherboard should only be updated with BIOS version **E7788IV1 V3.XXX**. (PMPMS644\_Vig642M\_rev2012.2)

**NOTE:** BIOS version **E7788IV1.313** will appear as BIOS Version **V3.xx** in the BIOS under Standard CMOS Features/System Information.

```
System Information
Intel(R) Pentium(R) CPU G640 @ 2.80GHz
CPUID/MicroCode          206a7/28
BIOS Version              E7788IV1 V3.1B3
Build Date                09/05/2012
ME FW Version             8.0.10.1464
Physical Memory           8192 MB
Cache Size                512 KB
L3 Cache Size             3072 KB
```

Figure 2 –PMPMS644 BIOS V3.xxx

**Error Message:** if Incorrect BIOS is used on motherboard following error message will be displayed.

```
AMI Firmware Update Utility(APTIO) v2.38
Copyright (C)2011 American Megatrends Inc. All Rights Reserved.
- Error: Size of ROM file does not match the size of system ROM
Press any key to continue . . .
```

Figure 3 – Error Message

## Motherboard Identification

The motherboards can be identified from markings on the board.

**PMPMS642** Viglen Vig642M Motherboard (rev. 1.0)

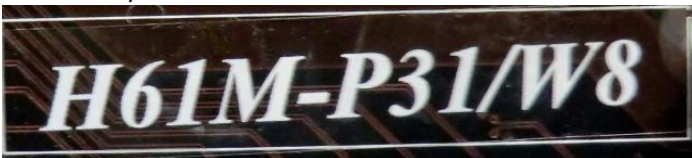
**PMPMS643** Viglen Vig642M Motherboard (rev. 2012)



Motherboard marking for PMPMS644:

**PMPMS644** Viglen Vig642M (Vig644) Motherboard (rev. 2012.2)

H61M-P31/W8



For BIOS, Drivers and Documentation enquiries please contact Viglen Technical Support Department on [technical@viglen.co.uk](mailto:technical@viglen.co.uk).

Remember to include your PC serial number in all correspondence.