

## Re: P4P800-VM - ASUS - HIGH MEMORY extremely slow under some circumstances - LOG FILES - added

**Source:** <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-01/1917.html>

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**Date:** 01/08/04

Date: Thu, 08 Jan 2004 10:01:12 +0200

To: Maetee Maitri <new@ji-net.com>

I guess it will work if i do it like you have said but i had not much time to play with that. I have done some further investigation and found the following dependency:  
Since my RAM is on 4 dims 512MB each i started to remove them one by one. First removed both dims on the second channel. Still the same problem. But when i removed the third dimm and on the mainboard left only one the problem did not appear. I guess that either the chipset has some bug when allocating memory for the video card or ASUS have made really poor implementation.

That is why i installed external AGP video card and disabled that one on the main board and the problem have gone.

Maetee Maitri wrote:

> Hi,

>

> I just upgrade from P4 1.8G on GIGABYTE GA-8IGX (Intel 845G) to P4

> 2.4c on ASUS P4P800-VM and have the similar problem. My system runing

> RedHat 7.3 kernel 2.4.18-26.7.x. My system have only 1G RAM (2x512M

> DDR400). both of them set to use only 1M video ram.

>

> I notice that the setting of difference video RAM and AGP aperture

> size in BIOS affected speed of system.

> I see that /proc/mtrr on P4P800-VM has 6 lines and GA-8IGX has 2 lines.

>

> GA-8IGX:

> reg00: base=0x00000000 ( 0MB), size=1024MB: write-back, count=1

> reg01: base=0x3ff00000 (1023MB), size= 1MB: uncachable, count=1

>

> P4P800-VM:

> reg00: base=0x00000000 ( 0MB), size= 512MB: write-back, count=1

> reg01: base=0x20000000 ( 512MB), size= 256MB: write-back, count=1

> reg02: base=0x30000000 ( 768MB), size= 128MB: write-back, count=1

> reg03: base=0x38000000 ( 896MB), size= 64MB: write-back, count=1

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> *reg04: base=0x3c000000 ( 960MB), size= 32MB: write-back, count=1*

> *reg05: base=0x3e000000 ( 992MB), size= 16MB: write*

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