

# Re: WINXP HOME NOT READING OR USING 4GIGs RAM?

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Given the PCI address area being unusable and the onboard video taking it's chunk of memory out, I'd say the numbers are right in the ballpark.

BobK wrote:

Greetings,

Only 2 tweeks were ever done to this OS, Under "Performance Options" I changed "Visual Effects" to "Adjust for Best Performance", and also I added paging files to drive "C" and "D" setting them on "System Managed Size".

My problem is memory related... I've been running this PC on 1 gig [2-512Mb] of dual 266MHz DDR PC2100 DIM CL2.5 of RAM. Recently I started doing a lot of graphics work on large 46mb files and kept running out of memory. I use 3 different software programs and it happens to every one, it is not a 3rd party issue.

I removed the 2-512 Mb boards and replaced with 4 matched, tested, 1 gig boards increasing my PC to 4 gigs. But it seems WinXP w/Service Pack 2 is having a problem seeing and allocating the 4 gigs because I run out of memory just as fast. I've even left "Systems > Performance" running and noticed that when the window pops-up up saying 'insufficient memory', there is still plenty of gigs of memory available.

BELOW: CMOS shows the 4+gigs, "Systems" only shows 3.37 gigs, "Task Manager" only shows 3.53 gigs, While "System Information" shows 4.09gigs with only 2.87gig available. I also included a copy of my "boot.ini" folder since it's talked about a lot with WinXP and

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memory.

Could someone please help with this problem?

==PC TYPE=====

OS WIN XP HOME SP2  
Pentium 2.8gig CPU  
Asus P4G8X Delux MB - Bios 1006  
RAM 4gigs 266MHz DDR PC2100 DIM CL2.5 [4 Matching boards]  
VIDIO AGP VOODO 6 NVIDIA 256MG Onboard  
2 MAXTOR HARD DRIVES 40 GIG EACH

==CMOS=====

From cold boot CMOS checks memory at  
4194304

==SYSTEMS=====

Control Panel > Systems >  
System: Microsoft Windows XP  
Home Edition  
Version 2002  
Service Pack 2  
Computer:  
Intel{R}  
Pentium{R} 4 CPU 2.80GHz  
2.80 GHz, 3.37 GB of RAM

==PERFORMANCE=====

Task Manager > Performance >  
Totals  
Handles 7647  
Threads 430  
Processes 43  
Physical Memory (K)  
Total 3538464  
Available 3138284  
System Cache 410652  
Commit Charge (K)  
Total 245652  
Limit 10453900  
Peak 431236  
Kernal Memory (K)  
Total 108056  
Paged 67612  
Nonpaged 40416

==SYSTEM INFORMATION=====

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```
Programs > Accessories > System Tools > System Information >
OS Name                Microsoft Windows XP Home Edition
Version                5.1.2600 Service Pack 2 Build 2600
OS Manufacturer       Microsoft Corporation
System Manufacturer    System Manufacturer
System Model            System Name
System Type             X86-based PC
Processor              x86 Family 15 Model 2 Stepping 7
GenuineIntel ~2800 Mhz
BIOS Version/Date      Award Software, Inc. ASUS P4G8X ACPI BIOS
Revision 1006, 6/3/2003
SMBIOS Version         2.3
Windows Directory      C:\WINDOWS
System Directory        C:\WINDOWS\system32
Boot Device             \Device\HarddiskVolume1
Locale                  United States
Hardware Abstraction Layer
{xpsp_sp2_rtm.040803-2158}
Version = "5.1.2600.2180"
Time Zone               Eastern Standard Time
Total Physical Memory   4,096.00 MB
Available Physical Memory
2.87 GB
Total Virtual Memory    2.00 GB
Page File Space         9.97 GB
Page File               C:\pagefile.sys
```

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==BOOT.INI=====
boot.ini
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```
[boot loader]
timeout=30
default=multi(0)disk(0)rdisk(0)partition(1)\WINDOWS
[operating systems]
multi(0)disk(0)rdisk(0)partition(1)\WINDOWS="Microsoft Windows XP Home
Edition" /fastdetect /NoExecute=OptIn
```

Thank you,  
Robert K