



CINT2000 Result

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ASUS Computer International
Asus M2N32-SLI Deluxe, AMD Athlon (TM) 64 5000+

SPECint2000 = **1706**
SPECint_base2000 = **1612**

SPEC license #: 13 Tested by: Intel Corporation Test date: Jul-2006 Hardware Avail: Jun-2006 Software Avail: Jun-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	96.9	1444	96.9	1444	
175.vpr	1400	129	1089	128	1095	
176.gcc	1100	63.1	1743	63.1	1743	
181.mcf	1800	162	1109	146	1232	
186.crafty	1000	60.2	1661	54.1	1847	
197.parser	1800	117	1536	118	1523	
252.eon	1300	41.2	3154	40.5	3210	
253.perlbnk	1800	92.9	1938	84.9	2120	
254.gap	1100	59.5	1848	56.4	1950	
255.vortex	1900	75.8	2505	67.4	2820	
256.bzip2	1500	124	1205	118	1274	
300.twolf	3000	257	1167	225	1335	

Hardware

CPU: AMD Athlon (TM) 64 5000+
CPU MHz: 2600
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1
Parallel: no
Primary Cache: 64KBI + 64KBD on chip, per core
Secondary Cache: 512KB (I+D) on chip, per core
L3 Cache: N/A
Other Cache: N/A
Memory: 2x1 GB, Corsair CM2X1024-8500C5 DDR2-1066 (manually set to DDR2-800 5-5-5-15 in the bios)
Disk Subsystem: SATA, Western Digital WD740GD, 10000 rpm
Other Hardware: None

Software

Operating System: Microsoft Windows XP SP2
Compiler: Intel C++ 9.1 build 20060519Z for IA32
Microsoft Visual Studio .NET 7.0.9466 (libraries)
MicroQuill Smartheap Library 8.0
File System: NTFS
System State: default

Notes/Tuning Information

GENERAL

+FDO: PASS1= -Qprof_gen PASS2= -Qprof_use
shlw32M-80.lib is the SmartHeap library V8.0 from MicroQuill www.microquill.com

+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

Portability:

176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

Base tuning flags

for C programs: -fast -arch:SSE2 -Oi- +FDO
for C++ programs: -fast -arch:SSE2 -Qcxx-features +FDO

164.gzip: basepeak=yes
175.vpr: -O3 -Qipo -QxW -Qoption,c,-ip_ninl_max_stats=2000,
-ip_ninl_max_total_stats=4500 +FDO
176.gcc: basepeak=yes
181.mcf: -O3 -Qipo -QaxN +FDO shlw32M-80.lib



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Notes/Tuning Information (Continued)

```
186.crafty: -O3 -Qipo -QxW +FDO shlw32M-80.lib
197.parser: -Oi -Qipo -QxW +FDO shlw32M-80.lib
252.eon: -O3 -Qipo -QxW -Qansi_alias -Qoption,c,-ip_ninl_max_stats=2000,
        -ip_ninl_max_total_stats=4500 +FDO shlw32M-80.lib
253.perlbnk: -O3 -Qipo -QxW +FDO shlw32M-80.lib
254.gap: -O3 -Qipo -QxW +FDO shlw32M-80.lib
255.vortex: -O3 -Qipo -arch:SSE -Oi- -Qoption,c,-ip_ninl_max_stats=2000,
        -ip_ninl_max_total_stats=4500 +FDO shlw32M-80.lib
```

The SUT was built with a discrete PCIe graphics card (ATI Radeon X850 XT) and an ATX 550W power supply. The 2 DIMMs were configured in dual-channel mode.