



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

ASUS Computer International
Asus M2N32-SLI Deluxe, AMD Athlon (TM) 64 4200+

SPECint_rate2000 = 33.6
SPECint_rate_base2000 = 31.7

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	115	28.3	2	115	28.3
175.vpr	2	148	22.0	2	146	22.2
176.gcc	2	77.5	32.9	2	77.5	32.9
181.mcf	2	206	20.3	2	178	23.4
186.crafty	2	69.5	33.4	2	62.6	37.1
197.parser	2	137	30.5	2	139	30.0
252.eon	2	48.8	61.8	2	48.0	62.9
253.perlbnk	2	109	38.3	2	99.4	42.0
254.gap	2	71.0	35.9	2	67.0	38.1
255.vortex	2	87.9	50.1	2	77.9	56.6
256.bzip2	2	145	24.0	2	138	25.3
300.twolf	2	296	23.5	2	257	27.1

Hardware

CPU: AMD Athlon (TM) 64 4200+
 CPU MHz: 2200
 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



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

ASUS Computer International
Asus M2N32-SLI Deluxe, AMD Athlon (TM) 64 4200+

SPECint_rate2000 = 33.6
SPECint_rate_base2000 = 31.7

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

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.