CINT2000 Result

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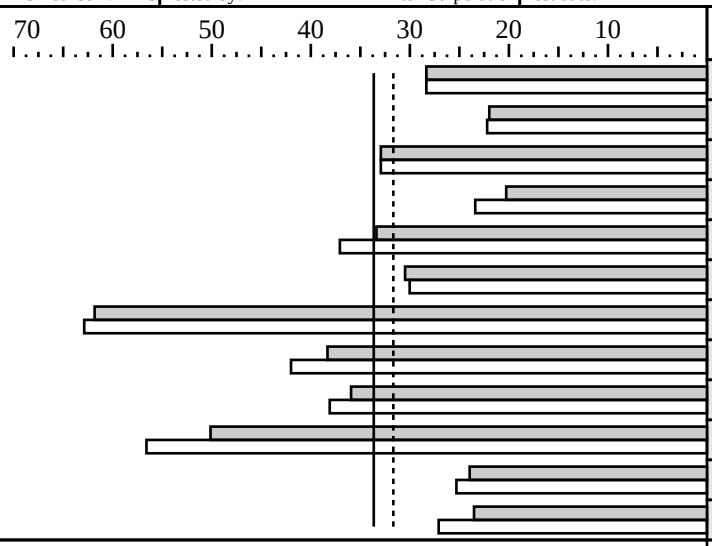
ASUS Computer International

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.perlbmk	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.perlbmk:  -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.perlbmk: -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.
```