



CINT2000 Result

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ASUS Computer International
Asus M2N32-SLI Deluxe, AMD Athlon (TM) 64 FX-62

SPECint_rate2000 = 44.9
SPECint_rate_base2000 = 41.9

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 | 90.8 | 35.8 | 2 | 90.8 | 35.8 |
| 175.vpr | 2 | 94.3 | 34.5 | 2 | 91.5 | 35.5 |
| 176.gcc | 2 | 53.3 | 47.9 | 2 | 52.8 | 48.3 |
| 181.mcf | 2 | 157 | 26.6 | 2 | 130 | 32.2 |
| 186.crafty | 2 | 54.7 | 42.4 | 2 | 49.5 | 46.9 |
| 197.parser | 2 | 103 | 40.6 | 2 | 103 | 40.7 |
| 252.eon | 2 | 52.9 | 57.0 | 2 | 42.8 | 70.5 |
| 253.perlbnk | 2 | 97.5 | 42.8 | 2 | 97.5 | 42.8 |
| 254.gap | 2 | 56.3 | 45.3 | 2 | 56.3 | 45.3 |
| 255.vortex | 2 | 67.1 | 65.7 | 2 | 61.0 | 72.3 |
| 256.bzip2 | 2 | 103 | 33.9 | 2 | 101 | 34.5 |
| 300.twolf | 2 | 160 | 43.5 | 2 | 133 | 52.3 |

Hardware

CPU: AMD Athlon (TM) 64 FX-62
CPU MHz: 2800
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: 1MB (I+D) on chip, per core
L3 Cache: N/A
Other Cache: N/A
Memory: 2x1 GB, Corsair CM2X1024-8500C5 DDR2-1066 5-5-15
Disk Subsystem: SATA, Western Digital WD740GD, 10000 rpm
Other Hardware: None

Software

Operating System: Microsoft Windows XP SP2
Compiler: Intel C++ Compiler 8.0 Build 20040318Z for IA32
Microsoft Visual Studio .NET 7.0.9466 (libraries)
MicroQuill Smartheap Library 8.0
File System: NTFS
System State: default

Notes/Tuning Information

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

Baseline C: -fast -arch:SSE2 -Oi- +FDO

Baseline C++: -fast -arch:SSE2 -GX -GR

Peak Tuning:

164.gzip: basepeak=yes

175.vpr: -fast -arch:SSE2 +FDO

-Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500

176.gcc: -fast -arch:SSE2 +FDO -Oi- -Qunroll3

181.mcf: -fast -QaxN +FDO

186.crafty: -fast -arch:SSE2 +FDO

197.parser: -arch:SSE2 +FDO -Oi- -Qipo

252.eon: -fast -arch:SSE2 -Qansi_alias +FDO

-Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500

253.perlbnk: basepeak=yes

Standard Performance Evaluation Corporation

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<http://www.spec.org>



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Notes/Tuning Information (Continued)

```
254.gap:      basepeak=yes
255.vortex:   -fast -arch:SSE -Oi-
              -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500 +FDO shlW32M-80.lib
256.bzip2:    -fast -Qunroll2
300.twolf:    -fast -arch:SSE2 -Qunroll3 -Qansi_alias +FDO shlW32M-80.lib
```

The system under test can be built with an ATI X1900 XTX graphics card and an ATX APE-300x power supply.