



CINT2000 Result

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

SPECint_rate2000 = 47.2
SPECint_rate_base2000 = 43.7

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	89.7	36.2	2	89.7	36.2
175.vpr	2	94.3	34.5	2	92.7	35.0
176.gcc	2	51.5	49.6	2	51.5	49.6
181.mcf	2	157	26.6	2	123	33.9
186.crafty	2	53.8	43.1	2	48.4	47.9
197.parser	2	102	40.9	2	103	40.4
252.eon	2	38.3	78.7	2	37.7	80.1
253.perlbnk	2	84.9	49.2	2	77.7	53.7
254.gap	2	55.5	46.0	2	52.7	48.5
255.vortex	2	67.5	65.3	2	58.9	74.9
256.bzip2	2	104	33.4	2	98.1	35.5
300.twolf	2	159	43.6	2	132	52.9

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 (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 X1900 XTX) and an ATX 550W power supply. The 2 DIMMs were configured in dual-channel mode.