



CINT2000 Result

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

SPECint2000 = **1963**
SPECint_base2000 = **1839**

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	1000	2000	3000	4000
164.gzip	1400	90.3	1550	90.3	1550				
175.vpr	1400	92.6	1512	89.7	1562				
176.gcc	1100	52.9	2079	52.5	2097				
181.mcf	1800	136	1323	116	1553				
186.crafty	1000	55.4	1804	50.3	1989				
197.parser	1800	102	1761	102	1761				
252.eon	1300	52.9	2458	42.3	3077				
253.perlbnk	1800	97.2	1852	97.2	1852				
254.gap	1100	55.6	1978	55.6	1978				
255.vortex	1900	66.1	2874	60.5	3141				
256.bzip2	1500	102	1477	99.5	1508				
300.twolf	3000	157	1908	135	2215				

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 5-5-5-15
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



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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.