



CINT2000 Result

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Supermicro Motherboard H8DA8 rev2.01

SPECint2000 = 1306
SPECint_base2000 = 1157

SPEC license #01176 Tested by: Supermicro Test date: Feb-2006 Hardware Avail: Mar-2005 Software Avail: Sep-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	160	874	141	993	
175.vpr	1400	167	839	131	1069	
176.gcc	1100	118	933	81.1	1356	
181.mcf	1800	179	1006	144	1253	
186.crafty	1000	81.6	1225	78.2	1279	
197.parser	1800	155	1158	156	1157	
252.eon	1300	78.3	1661	70.0	1857	
253.perlbnk	1800	133	1352	130	1380	
254.gap	1100	87.8	1253	87.8	1253	
255.vortex	1900	107	1773	101	1886	
256.bzip2	1500	146	1030	141	1060	
300.twolf	3000	262	1144	210	1429	

Hardware

CPU: AMD Opteron 265
 CPU MHz: 1800
 FPU: Integrated
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
 CPU(s) orderable: 1
 Parallel: no
 Primary Cache: 64KBI + 64KBD on chip
 Secondary Cache: 1024KB (I+D) (on chip) per core
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 4x512MB, Registered, ECC, Buffered, Single Rank, DDR400 CL3
 Disk Subsystem: Seagate Barracuda 7200.9, 120 GB, 7200 RPM
 Other Hardware: None

Software

Operating System: Windows 2003 Enterprise Edition W/SP1
 Compiler: Intel C++ 9.0 build 20050912Z for IA32
 Microsoft Visual Studio .NET 7.0.9466 (libraries)
 MicroQuill Smartheap Library 7.0
 File System: NTFS
 System State: default

Notes/Tuning Information

Tested by Supermicro Computer, Inc.

shlw32M.lib is the SmartHeap library V7.0 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: -O3 -Qipo -Op +FDO

Baseline C++: -O3 -Qipo -Qcxx-features +FDO

Peak Tuning:

164.gzip: -O3 -Qipo -QxW +FDO

175.vpr: -O3 -Qipo -QxW +FDO

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

176.gcc: -O3 -Qipo -QxW -Oi- -Qunroll3 +FDO

181.mcf: -O3 -Qipo -QaxN +FDO

186.crafty: -O3 -Qipo -QxW +FDO

197.parser: -QxW +FDO -Oi- -Qipo

252.eon: -O3 -Qipo -QxW +FDO -Qansi_alias

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

Standard Performance Evaluation Corporation

info@spec.org

<http://www.spec.org>



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Supermicro
Motherboard H8DA8 rev2.01

SPECint2000 =	1306
SPECint_base2000 =	1157

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Notes/Tuning Information (Continued)

```
253.perlbnk: -O3 -Qipo -QxW +FDO
254.gap:      basepeak=yes
255.vortex:   -O3 -Qipo -arch:SSE +FDO -Oi- shlw32M.lib
              -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
256.bzip2:   -O3 -Qipo -Qunroll2
300.twolf:   -O3 -Qipo -QxW +FDO -Qunroll3 shlw32M.lib -Qansi_alias
The system under test can be built with a ATX 650 power supply.
```