



CINT2000 Result

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Supermicro
H8DSL-HTi Motherboard (AMD Opteron (TM) 254)

SPECint2000 = **1898**
SPECint_base2000 = **1684**

SPEC license #01176 Tested by: Supermicro Test date: Apr-2006 Hardware Avail: Apr-2006 Software Avail: Oct-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	104	1351	91.2	1536	
175.vpr	1400	117	1196	94.1	1488	
176.gcc	1100	77.5	1418	54.2	2029	
181.mcf	1800	155	1162	124	1452	
186.crafty	1000	53.5	1870	51.1	1955	
197.parser	1800	105	1721	105	1714	
252.eon	1300	50.4	2577	45.6	2853	
253.perlbnk	1800	88.3	2039	86.8	2073	
254.gap	1100	60.0	1833	60.0	1833	
255.vortex	1900	74.2	2561	69.5	2732	
256.bzip2	1500	103	1450	101	1478	
300.twolf	3000	177	1692	135	2215	

Hardware

CPU: AMD Opteron (TM) 254
CPU MHz: 2800
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1
Parallel: no
Primary Cache: 64KBI + 64KBD on chip
Secondary Cache: 1024KB (I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4 X Apacer 78.A1071.404, 2GB DDR-400 CL3 ECC Reg
Disk Subsystem: 1 X IDE, Seagate ST3250823A 250GB
Other Hardware: None

Software

Operating System: Windows server 2003 Enterprise Edition 32-bit Version w/ Service Pack 1
Compiler: Intel C++ 9.0 build 20050912Z for IA32
Microsoft Visual Studio .NET 2003 7.0.9466 (libraries)
MicroQuill Smartheap Library 7.0
File System: NTFS
System State: default

Notes/Tuning Information

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

253.perlbnk: -O3 -Qipo -QxW +FDO

Standard Performance Evaluation Corporation

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<http://www.spec.org>



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Notes/Tuning Information (Continued)

```
254.gap:      -O3 -Qipo -QxW +FDO
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
Tested system was built with chassis SC813T-500C,
Product description located as of:
http://www.supermicro.com/Aplus/motherboard/Opteron/HT1000/H8DSL-HTi.cfm
To ensure system stability, a 420W (minimum) ATX power supply [4-pin (+12V), 8-pin (+12V) and 24-pin are required]
Other Configuration Notes
The start /b /wait /affinity command is used to bind CPU(s) to processes.
```