CINT2000 Result

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Supermicro

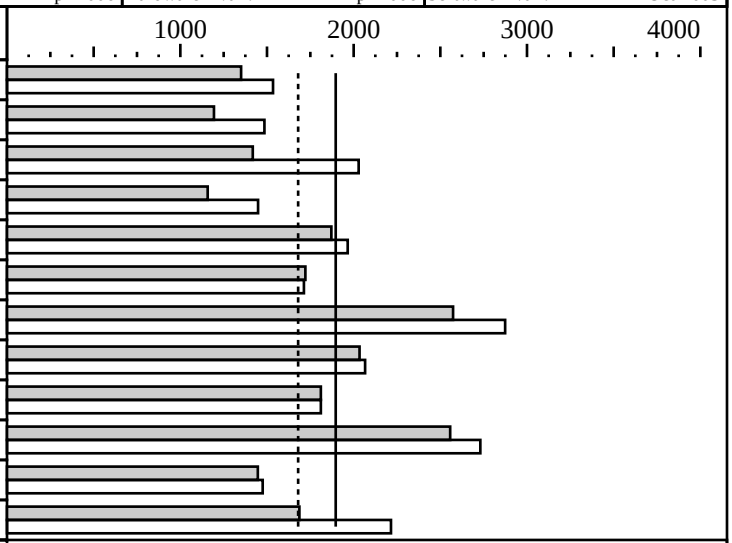
H8DSR-8 Motherboard (AMD Opteron (TM) 254)

SPECint2000 = 1896

SPECint_base2000 = 1680

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	1535
175.vpr	1400	117	1194	94.3	1485
176.gcc	1100	77.6	1418	54.2	2029
181.mcf	1800	155	1158	124	1449
186.crafty	1000	53.4	1871	50.9	1966
197.parser	1800	105	1721	105	1713
252.eon	1300	50.5	2573	45.2	2874
253.perlbmk	1800	88.5	2034	87.1	2066
254.gap	1100	60.8	1811	60.8	1811
255.vortex	1900	74.3	2557	69.6	2731
256.bzip2	1500	104	1447	102	1475
300.twolf	3000	178	1687	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.perlbmk:  -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.perlbmk:  -O3 -Qipo -QxW +FDO
```

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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 systm was built with chassis SC813S+-500,
Product description located as of:
http://www.supermicro.com/Aplus/motherboard/Opteron/HT2000/H8DSR-8.cfm
To ensure system stability, a 600W (minimum) ATX power supply [8-pin (+12V) and (20+4)-pin are required] ) and 24-pin are required]
Other Configuration Notes
The start /b /wait /affinity command is used to bind CPU(s) to processes.
```