CINT2000 Result

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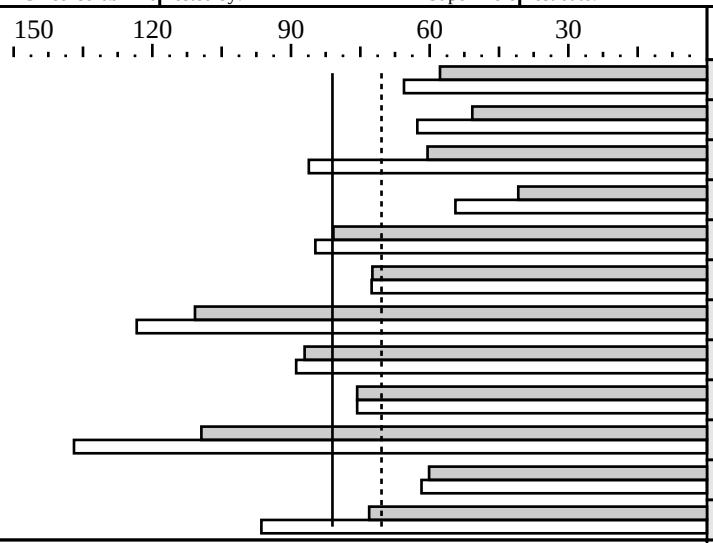
Supermicro

H8DSR-8 Motherboard (AMD Opteron(TM) 285)

SPECint_rate2000 = 81.0

SPECint_rate_base2000 = 70.4

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	112	57.8	4	99.1	65.6
175.vpr	4	128	50.8	4	104	62.7
176.gcc	4	84.4	60.5	4	59.3	86.1
181.mcf	4	205	40.8	4	153	54.4
186.crafty	4	57.4	80.8	4	54.8	84.7
197.parser	4	115	72.4	4	115	72.6
252.eon	4	54.5	111	4	48.9	123
253.perlbmk	4	95.9	87.1	4	94.0	88.9
254.gap	4	67.4	75.7	4	67.4	75.7
255.vortex	4	80.6	109	4	64.4	137
256.bzip2	4	116	60.1	4	113	61.8
300.twolf	4	190	73.1	4	144	96.4

Hardware

CPU:	AMD Opteron(TM) 285
CPU MHz:	2600
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1,2
Parallel:	no
Primary Cache:	64KBI + 64KBD (on chip) per core
Secondary Cache:	1024KB (I+D) (on chip) per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8 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.
```