CINT2000 Result

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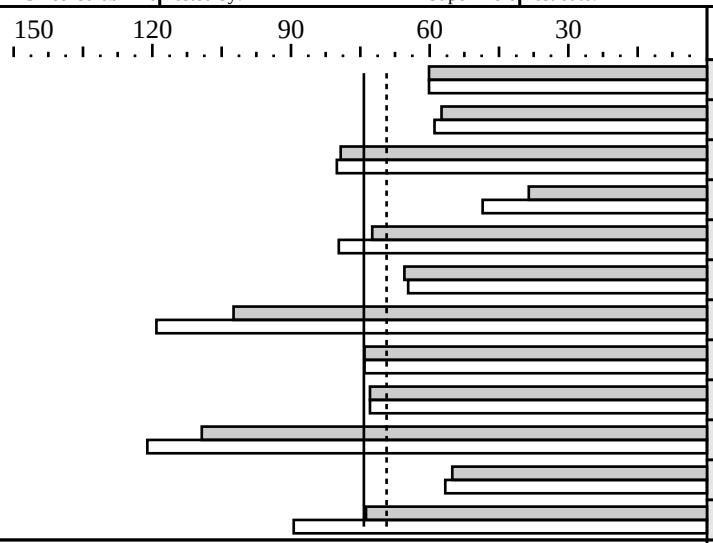
Supermicro
H8DSP-8 Motherboard

SPECint_rate2000 = 74.2

SPECint_rate_base2000 = 69.3

SPEC license #01176 | Tested by: Supermicro | Test date: Oct-2005 | Hardware Avail: Oct-2005 | Software Avail: Apr-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	108	60.1	4	108	60.1
175.vpr	4	113	57.4	4	110	59.0
176.gcc	4	64.4	79.2	4	63.7	80.1
181.mcf	4	217	38.6	4	172	48.5
186.crafty	4	64.1	72.4	4	58.3	79.7
197.parser	4	128	65.5	4	129	64.6
252.eon	4	58.9	102	4	50.6	119
253.perlbmk	4	113	74.1	4	113	74.1
254.gap	4	70.0	72.9	4	70.0	72.9
255.vortex	4	80.7	109	4	72.8	121
256.bzip2	4	126	55.1	4	123	56.6
300.twolf	4	189	73.8	4	156	89.4

Hardware

CPU:	AMD Opteron (TM)280
CPU MHz:	2400
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1,2
Parallel:	no
Primary Cache:	64KBI + 64KBD per core on chip
Secondary Cache:	1024KB (I+D) per core on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x Kingston 512MB, Registered, ECC, DDR400, CL3
Disk Subsystem:	1X Hitachi SATA 400 GB 7200RPM
Other Hardware:	None

Software

Operating System:	Windows Server 2003 Enterprise Edition w/ SP1
Compiler:	Intel C++ 8.0 build 20040415Z for IA32 Microsoft Visual Studio .NET 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:   -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 -Oi- -Qunroll3 +FDO
181.mcf:      -fast -QaxN      +FDO
186.crafty:   -fast -arch:SSE2 +FDO
197.parser:         -arch:SSE2 -Oi- -Qipo +FDO
252.eon:      -fast -arch:SSE2 -Qansi_alias +FDO
             -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
253.perlbmk:  basepeak=yes
```

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Notes/Tuning Information (Continued)

```
 254.gap:      basepeak=yes
 255.vortex:   -fast -arch:SSE -Oi- +FDO shlW32M.lib
               -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
 256.bzip2:    -fast                          -Qunroll2
 300.twolf:    -fast -arch:SSE2 -Qunroll3 -Qansi_alias +FDO shlW32M.lib
The system under test can be built with an ATX 450W power supply.
```