CINT2000 Result

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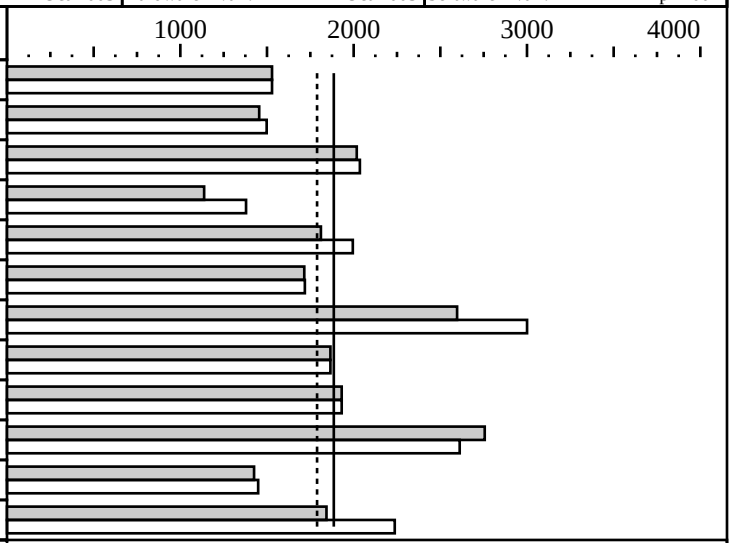
Supermicro
H8DSP-8 Motherboard

SPECint2000 = 1885

SPECint_base2000 = 1789

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	91.6	1529	91.6	1529
175.vpr	1400	96.2	1455	93.5	1498
176.gcc	1100	54.5	2018	54.0	2036
181.mcf	1800	158	1137	131	1379
186.crafty	1000	55.2	1811	50.1	1995
197.parser	1800	105	1715	105	1718
252.eon	1300	50.1	2597	43.3	3000
253.perlbmk	1800	96.5	1866	96.5	1866
254.gap	1100	57.0	1931	57.0	1931
255.vortex	1900	68.9	2756	72.8	2612
256.bzip2	1500	105	1425	104	1449
300.twolf	3000	163	1843	134	2237



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:	4x Kingston 1GB, 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.
```