CINT2000 Result

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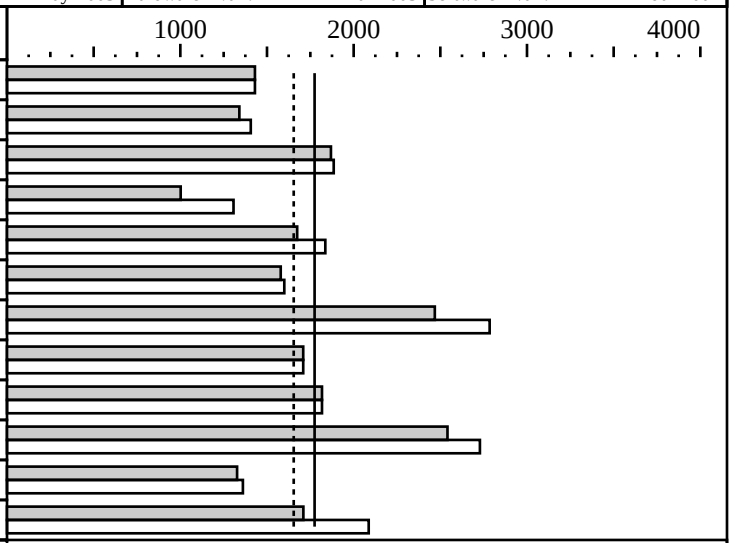
Supermicro
H8DAR-8 (AMD Opteron (TM) 252)

SPECint2000 = 1775

SPECint_base2000 = 1654

SPEC license #01176 | Tested by: Supermicro | Test date: May-2005 | Hardware Avail: Mar-2005 | Software Avail: Jul-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	97.9	1430	97.9	1430
175.vpr	1400	104	1341	99.5	1406
176.gcc	1100	58.9	1869	58.4	1885
181.mcf	1800	180	1002	138	1307
186.crafty	1000	59.7	1674	54.5	1836
197.parser	1800	114	1579	113	1600
252.eon	1300	52.7	2468	46.7	2785
253.perlbmk	1800	105	1709	105	1709
254.gap	1100	60.5	1817	60.5	1817
255.vortex	1900	74.8	2541	69.6	2728
256.bzip2	1500	113	1327	110	1361
300.twolf	3000	175	1710	144	2087



Hardware

CPU:	AMD Opteron (TM) 252
CPU MHz:	2600
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 1024MB PC3200 REG ECC CL3 DDR SDRAM
Disk Subsystem:	1 X 300GB IDE
Other Hardware:	None

Software

Operating System:	Windows Enterprise Server 2003
Compiler:	Intel C++ 8.0 build 20040714Z Microsoft Visual Studio .NET 7.0.9466 (libraries) MicroQuill Smartheap Library 7.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
Tested by Supermicro
  shlW32M7.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 +FDO -Oi- -Qunroll3
  181.mcf:      -fast -QaxN      +FDO
  186.crafty:   -fast -arch:SSE2 +FDO
  197.parser:         -arch:SSE2 +FDO -Oi- -Qipo
  252.eon:      -fast -arch:SSE2 +FDO -Qansi_alias
               -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
```

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Notes/Tuning Information (Continued)

```
253.perlbmk:  basepeak=yes
254.gap:      basepeak=yes
255.vortex:   -fast -arch:SSE  +FDO -Oi- shlW32M7.lib
              -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
256.bzip2:    -fast                        -Qunroll2
300.twolf:    -fast -arch:SSE2 +FDO        -Qunroll3 shlW32M7.lib -Qansi_alias
Tested system can be used with a 420W (minimum) ATX power supply
```