CINT2000 Result

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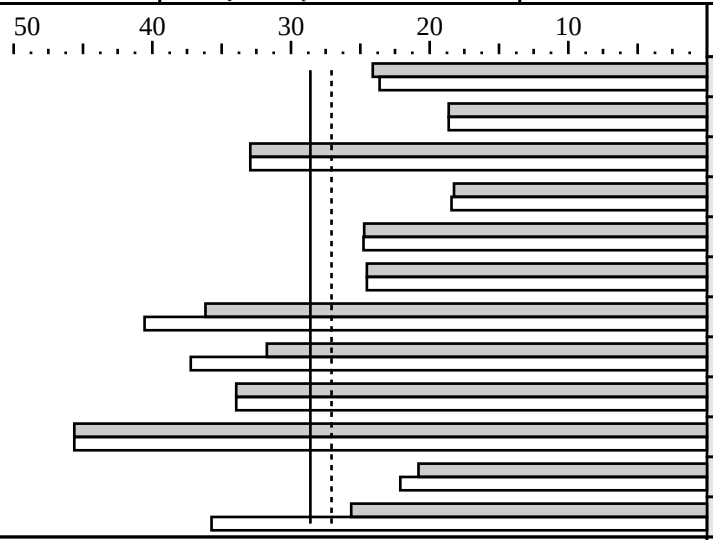
Supermicro

X6DH8-G2 (3.40 GHz Xeon, 1MB L3 Cache)

SPECint_rate2000 = 28.6

SPECint_rate_base2000 = 27.1

SPEC license #01176 | Tested by: Supermicro Inc., San Jose, CA | Test date: Jul-2004 | Hardware Avail: Jun-2004 | Software Avail: Dec-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	135	24.1	2	138	23.6
175.vpr	2	174	18.6	2	174	18.6
176.gcc	2	77.5	32.9	2	77.5	32.9
181.mcf	2	229	18.2	2	227	18.4
186.crafty	2	93.8	24.7	2	93.7	24.8
197.parser	2	170	24.5	2	170	24.5
252.eon	2	83.4	36.2	2	74.4	40.6
253.perlbmk	2	132	31.7	2	112	37.2
254.gap	2	75.2	33.9	2	75.2	33.9
255.vortex	2	96.6	45.6	2	96.6	45.6
256.bzip2	2	167	20.8	2	157	22.1
300.twolf	2	271	25.7	2	195	35.7

Hardware

CPU:	Intel Xeon (3.4GHz, 800 MHz system bus)
CPU MHz:	3400
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip (HT Technology enabled)
CPU(s) orderable:	1, 2
Parallel:	No
Primary Cache:	12K(I) micro-ops + 16KB(D) on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	None
Other Cache:	N/A
Memory:	8 x 1024MB ECC CL2.5 PC2 3200 DDRII SDRAM
Disk Subsystem:	1 x 73GB U320 SCSI, 10K RPM
Other Hardware:	

Software

Operating System:	Windows 2003 Enterprise Server w/ SP1 v.1184
Compiler:	Intel C/C++ Compiler 8.0 (20031229Z) Microsoft Visual Studio .NET (7.0.9466) MicroQuill SmartHeap Library 7.1
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
PORTABILITY FLAGS
  176.gcc:     -Dalloca=_alloca /F10000000
  186.crafy:   -DNT_i386
  253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
  254.gap:     -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
FEEDBACK DIRECTED OPTIMIZATION
  ONESTEP=yes
  FDO:         PASS1=-Qprof_gen  PASS2=-Qprof_use
BASE TUNING
  C:           -QxN -Qipo -O3     +FDO
  C++:         -QxN -Qipo              -GX -GR
PEAK TUNING
  164.gzip:    -QxN -Qipo -O3 -Oa +FDO
  175.vpr:     basepeak=yes
  176.gcc:     basepeak=yes
  181.mcf:     -QxN -Qipo -O3     +FDO shlW32M.lib
  186.crafty:  -QxN -Qipo -O3 -Oa +FDO shlW32M.lib
  197.parser:  basepeak=yes
  252.eon:     -QxN -Qipo -O3     +FDO
  253.perlbmk: -QxN -Qipo -O3     +FDO shlW32M.lib
```

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Notes/Tuning Information (Continued)

```
    254.gap:     basepeak=yes
    255.vortex   basepeak=yes
    256.bzip2:         -Qipo     -Oa -Qunroll1 +FDO shlW32M.lib
    300.twolf:   -QxN -Qipo -O3     +FDO shlW32M.lib
  EXTRA LIBRARIES
    shlW32M.lib: MicroQuill SmartHeap Library 7.1
                 www.microquill.com
```