CINT2000 Result

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Supermicro

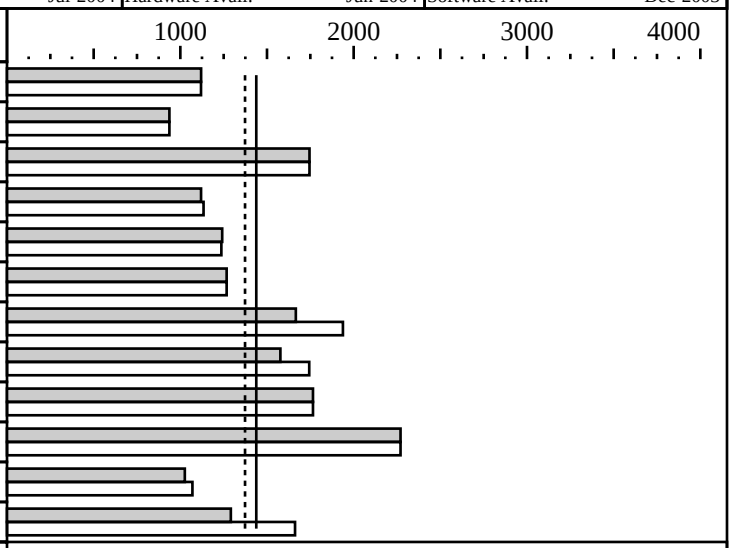
X6DH8-G2 (3.40 GHz Xeon, 1MB L2 Cache)

SPECint2000 = 1438

SPECint_base2000 = 1373

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	125	1120	125	1119
175.vpr	1400	149	937	149	937
176.gcc	1100	63.0	1745	63.0	1745
181.mcf	1800	161	1120	159	1134
186.crafty	1000	80.5	1242	80.9	1237
197.parser	1800	142	1267	142	1267
252.eon	1300	78.0	1666	67.1	1938
253.perlbmk	1800	114	1577	103	1744
254.gap	1100	62.3	1765	62.3	1765
255.vortex	1900	83.7	2270	83.7	2270
256.bzip2	1500	146	1026	140	1070
300.twolf	3000	232	1291	181	1662



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
```