CINT2000 Result

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Supermicro

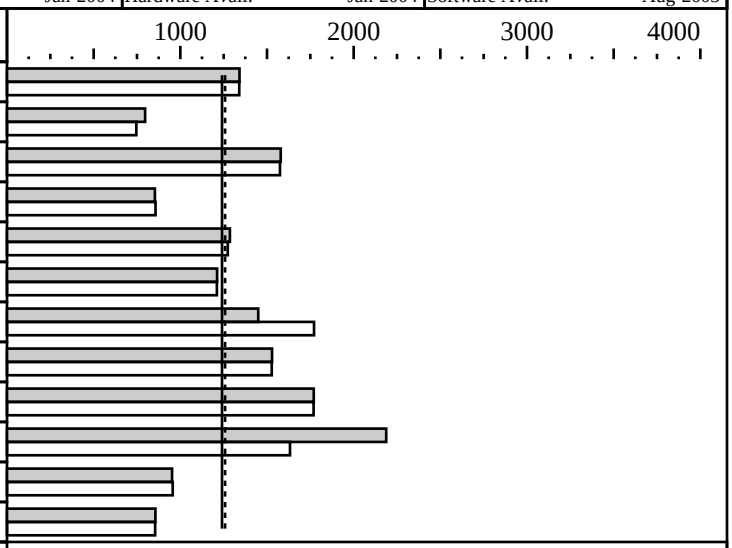
SUPER P4SC8 (3.4GHz, 800 MHz bus Pentium 4 processor)

SPECint2000 = 1241

SPECint_base2000 = 1258

SPEC license #01176 | Tested by: Super Micro Computer, Inc. | Test date: Jan-2004 | Hardware Avail: Jan-2004 | Software Avail: Aug-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	104	1341	104	1340
175.vpr	1400	176	797	188	746
176.gcc	1100	69.7	1579	69.8	1575
181.mcf	1800	211	853	210	857
186.crafty	1000	77.8	1286	78.5	1274
197.parser	1800	149	1212	149	1211
252.eon	1300	89.7	1449	73.4	1771
253.perlbmk	1800	118	1529	118	1527
254.gap	1100	62.2	1770	62.2	1769
255.vortex	1900	86.8	2188	116	1633
256.bzip2	1500	158	952	157	956
300.twolf	3000	350	856	351	855



Hardware

CPU:	Intel Pentium 4 processor (3.4GHz, 800 MHz bus)
CPU MHz:	3400
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper Threading Enabled)
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12k micro-ops (I) + 8KB(D) on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	512 MB (2 X 256 MB PC3200 DDR Unbuffered non-ECC modules CL2.5)
Disk Subsystem:	Seagate ST318453LC Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows XP Professional W/ SP1a
Compiler:	Intel C++ Compiler 7.1 Build 20030801Z Microsoft Visual Studio Enterprise Edition 6.0(for libraries)
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs:   -QxW -Qipo -O3 +FDO
Base tuning for C++ programs: -QxW -Qipo -GX -GR
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
Peak tuning:
164.gzip:     -QxW -Qipo -Oa -O3 +FDO
175.vpr:      -QxW -Qwp_ipo  -O3 +FDO
176.gcc:      -QxW -Qipo     -O3 +FDO
181.mcf:      -QxW -Qipo     -O3 +FDO
186.crafty:   -QxW -Qipo     -Oa -O3 +FDO
197.parser:   -QxW -Qipo     -O3 +FDO
252.eon:      -QxW -Qipo     -O3 +FDO
253.perlbmk:  -QxW -Qipo     -O3 +FDO
254.gap:      -QxW -Qipo     -O3 +FDO
255.vortex    -QxW -Qwp_ipo  -Oa -O3  +FDO
256.bzip2:    -QxW -Oa -Qipo -O3 +FDO
```

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Notes/Tuning Information (Continued)

```
  300.twolf:    -QxW -Qipo     -O3 +FDO
  Up to 4GB of Unbuffered DDR-400/333/266 memory
  Hyper threading Enabled
  ATX form factor optimized for 1U/2U/4U/Tower chassis
  See Link for more chassis compatibility lists at
http://www.supermicro.com/PRODUCT/Chassis/compatibility.htm.
```