CINT2000 Result

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Supermicro

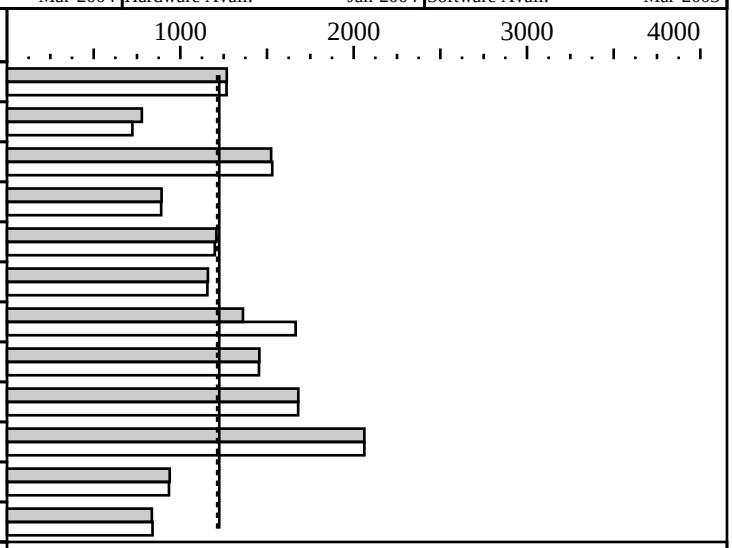
SUPER P4SCT+II (3.2 GHz, 800MHz Bus Pentium 4 processor)

SPECint2000 = 1225

SPECint_base2000 = 1213

SPEC license #01176 | Tested by: Supermicro | Test date: Mar-2004 | Hardware Avail: Jan-2004 | Software Avail: Mar-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	110	1268	111	1267
175.vpr	1400	180	778	194	723
176.gcc	1100	72.2	1524	71.9	1530
181.mcf	1800	202	892	202	889
186.crafty	1000	82.8	1208	83.4	1199
197.parser	1800	155	1159	156	1156
252.eon	1300	95.5	1361	78.1	1665
253.perlbmk	1800	124	1456	124	1454
254.gap	1100	65.5	1681	65.5	1680
255.vortex	1900	92.2	2062	92.2	2062
256.bzip2	1500	160	939	161	934
300.twolf	3000	359	836	357	840



Hardware

CPU:	Intel Pentium 4 processor (3.2 GHz, 800 MHz bus)
CPU MHz:	3200
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:	1024 MB (4 x 256 MB PC3200 DDR unbuffered non-ECC modules CL2.5)
Disk Subsystem:	IBM Deskstar IDE 123.5GB
Other Hardware:	

Software

Operating System:	Windows XP Professional W/ SP1a
Compiler:	Intel C++ Compiler 7.1 20030307Z 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    basepeak=yes
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.
```