CINT2000 Result

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Supermicro

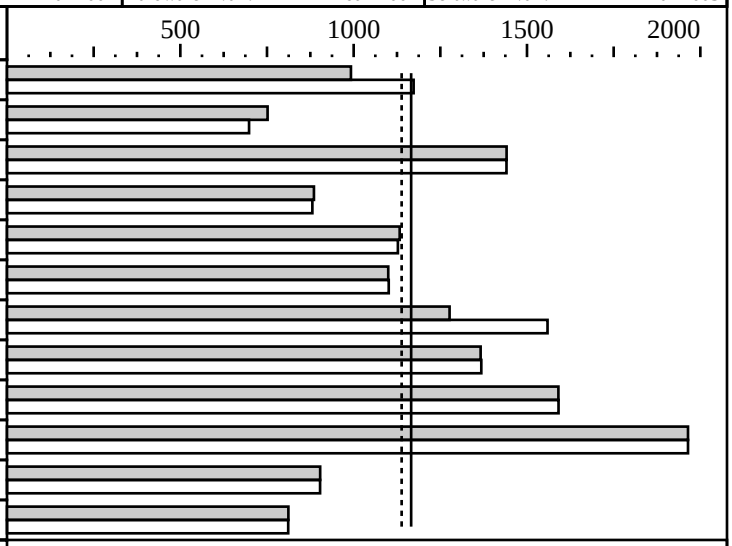
SUPER P4SCT+II (3.0 GHz, 800MHz Bus Pentium 4 processor)

SPECint2000 = 1166

SPECint_base2000 = 1138

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	141	992	119	1173
175.vpr	1400	186	752	201	698
176.gcc	1100	76.3	1441	76.3	1441
181.mcf	1800	203	885	204	881
186.crafty	1000	88.3	1133	88.7	1128
197.parser	1800	164	1100	163	1101
252.eon	1300	102	1277	83.4	1559
253.perlbmk	1800	132	1366	132	1368
254.gap	1100	69.2	1591	69.1	1591
255.vortex	1900	96.7	1964	96.7	1964
256.bzip2	1500	166	903	166	903
300.twolf	3000	370	812	370	811



Hardware

CPU:	Intel Pentium 4 processor (3.0 GHz, 800 MHz bus)
CPU MHz:	3000
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.
```