CINT2000 Result

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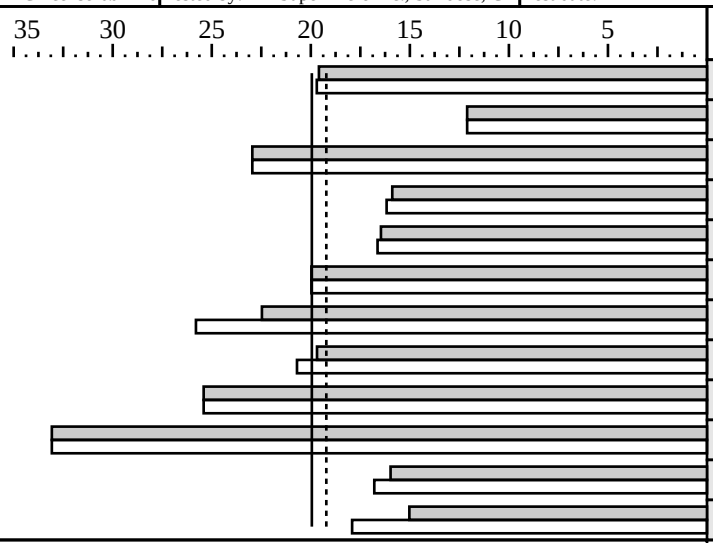
SuperMicro
Super P8SC8 (3.80 GHz Pentium 4)

SPECint_rate2000 = 19.9

SPECint_rate_base2000 = 19.2

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	166	19.6	2	165	19.7
175.vpr	2	268	12.1	2	268	12.1
176.gcc	2	111	23.0	2	111	23.0
181.mcf	2	263	15.9	2	258	16.2
186.crafty	2	141	16.5	2	140	16.6
197.parser	2	209	20.0	2	209	20.0
252.eon	2	134	22.5	2	117	25.8
253.perlbmk	2	212	19.7	2	202	20.7
254.gap	2	100	25.4	2	100	25.4
255.vortex	2	133	33.1	2	133	33.1
256.bzip2	2	218	16.0	2	207	16.8
300.twolf	2	463	15.0	2	389	17.9

Hardware

CPU:	Intel Pentium 4 3.8GHz(800 MHz system bus)
CPU MHz:	3800
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (HT Technology Enabled)
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12K(I) micro-ops + 16KB(D) on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 x 1024MB ECC DDR533 SDRAM
Disk Subsystem:	1 x 80GB ATA/100 7200 RPM
Other Hardware:	

Software

Operating System:	Windows 2003 Enterprise Server
Compiler:	Intel C/C++ Compiler 8.0 (20031229Z) Microsoft Visual Studio .NET 7.0.9466 (for libraries) SmartHeap Library Version 7.1 from http://www.microquill.com/
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
```