CINT2000 Result

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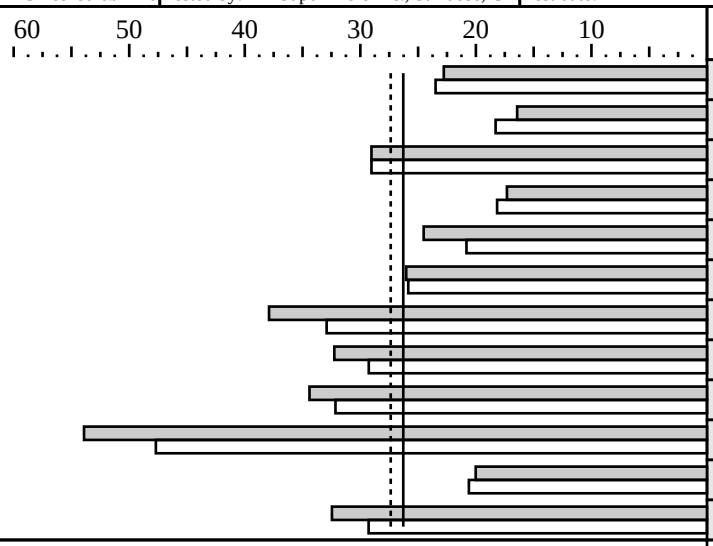
SuperMicro
X6DHP-8G2 (3.6GHz, Intel Xeon)

SPECint_rate2000 = 26.3

SPECint_rate_base2000 = 27.4

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	143	22.8	2	138	23.5
175.vpr	2	198	16.4	2	178	18.3
176.gcc	2	87.9	29.0	2	87.9	29.0
181.mcf	2	241	17.3	2	230	18.2
186.crafty	2	94.6	24.5	2	111	20.8
197.parser	2	160	26.0	2	162	25.9
252.eon	2	79.6	37.9	2	91.6	32.9
253.perlbmk	2	129	32.3	2	143	29.3
254.gap	2	74.2	34.4	2	79.4	32.2
255.vortex	2	81.8	53.9	2	92.4	47.7
256.bzip2	2	174	20.0	2	169	20.6
300.twolf	2	214	32.5	2	238	29.3

Hardware

CPU:	Intel Xeon (3.6GHz, 1MB L2, 800MHz bus)
CPU MHz:	3600
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 micro-ops I + 16KBD on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x1GB, PC2-3200, CL3
Disk Subsystem:	1x36GB SCSI H.D.
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard (Build 3790)
Compiler:	Intel C++ Compiler 8.0 Build 20031211Z Microsoft Visual Studio .NET 7.0.9466 (for libraries) MicroQuill Smartheap Library 7.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs:   -QxP -fast +FDO  shlw32M.lib
Base tuning for C++ programs: -QxP -fast -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:       -QxP -fast -Oa +FDO ONESTEP=yes
  175.vpr:       -QxP -fast +FDO ONESTEP=yes
  176.gcc:        basepeak = 1
  181.mcf:       -QxP -fast +FDO shlw32M.lib ONESTEP=yes
  186.crafty:     -QxP -fast -Oa +FDO shlw32M.lib ONESTEP=yes
  197.parser:     -QxP -fast +FDO ONESTEP=yes
  252.eon:      -QxP -O2 -Qipo  +FDO ONESTEP=yes
  253.perlbmk:    -fast -Oa +FDO shlw32M.lib ONESTEP=yes
  254.gap:      -QxP -fast +FDO ONESTEP=yes
  255.vortex:     -QxP -fast +FDO shlw32M.lib ONESTEP=yes
  256.bzip2:      -fast -Oa -Qunroll1 +FDO ONESTEP=yes
```

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Notes/Tuning Information (Continued)

300.twolf: -QxP -fast -O3 +FDO shlw32M.lib