CINT2000 Result

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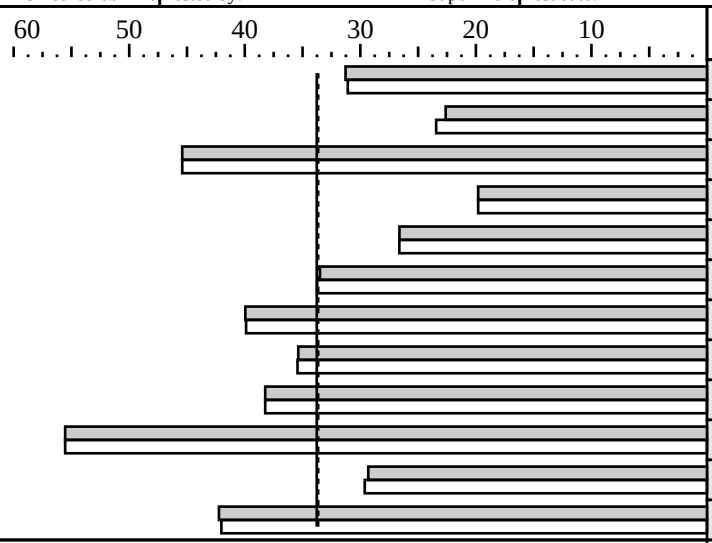
Supermicro

X6DHP-8G Motherboard(Intel Xeon 3.0GHz 2M Cache)

SPECint_rate2000 = 33.8

SPECint_rate_base2000 = 33.6

SPEC license #01176 | Tested by: Supermicro | Test date: Jun-2005 | Hardware Avail: May-2005 | Software Avail: Aug-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	208	31.3	4	209	31.1
175.vpr	4	287	22.6	4	277	23.4
176.gcc	4	112	45.4	4	112	45.4
181.mcf	4	422	19.8	4	422	19.8
186.crafty	4	174	26.6	4	174	26.6
197.parser	4	249	33.5	4	248	33.7
252.eon	4	151	40.0	4	151	39.9
253.perlbmk	4	236	35.4	4	236	35.4
254.gap	4	134	38.2	4	134	38.2
255.vortex	4	159	55.5	4	159	55.5
256.bzip2	4	237	29.3	4	235	29.6
300.twolf	4	330	42.2	4	331	42.0

Hardware

CPU:	Intel Xeon 3.0GHz
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip(Hyper-Threading Technology Enabled)
CPU(s) orderable:	1, 2
Parallel:	No
Primary Cache:	12k micro-ops I + 16KBD on chip
Secondary Cache:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	2 X 1GB DDR 333 REG ECC
Disk Subsystem:	WD 74GB 10000RPM SATA
Other Hardware:	

Software

Operating System:	Windows 2003 Enterprise Edition
Compiler:	Intel C++ Compiler 8.1 Build 20040802Z (32-bit) Microsoft Visual Studio .Net 2003(for libraries) SmartHeap Library Version 6.0 from http://www.microquill.com/
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs:   -fast +FDO shlW32M.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafy: -DNT_i386
252.eon:   Approved stdcpp src.alt used
253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
164.gzip:     -fast -Qansi_alias -Oa  +FDO
175.vpr:      -fast -Qansi_alias +FDO
176.gcc:      basepeak=yes
181.mcf:      basepeak=yes
186.crafty:   -fast -Qansi_alias -Oa +FDO
197.parser:   -fast -Qansi_alias  +FDO
252.eon:      -fast +FDO
253.perlbmk:  -fast -Qansi_alias +FDO shlW32M.lib
254.gap:      basepeak=yes
255.vortex    basepeak=yes
```

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Notes/Tuning Information (Continued)

```
256.bzip2:   -fast -Oa -Qunroll1 +FDO
300.twolf:    -fast -O3 +FDO shlW32M.lib
Tested system configuration used an SC814 Series chassis
with a 420W (minimum) ATX power supply [8-pin (+12V) and 24-pin are required]
See http://www.supermicro.com/products/motherboard/Xeon800/E7520/X6DHP-8G.cfm
The system bus runs at 800 MHz
```