CINT2000 Result

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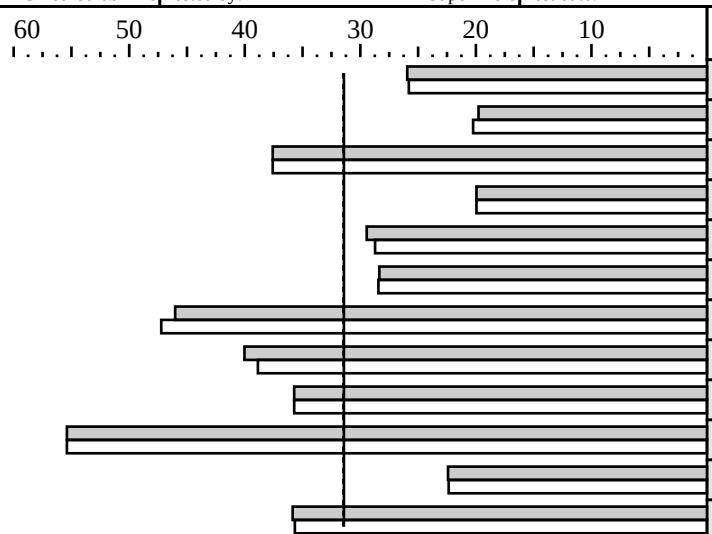
SuperMicro X6DHR-8G2

SPECint_rate2000 = 31.4

SPECint_rate_base2000 = 31.5

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	125	25.9	2	126	25.8
175.vpr	2	164	19.8	2	160	20.2
176.gcc	2	67.9	37.6	2	67.9	37.6
181.mcf	2	209	20.0	2	209	20.0
186.crafty	2	78.8	29.4	2	80.8	28.7
197.parser	2	147	28.4	2	147	28.4
252.eon	2	65.5	46.0	2	63.9	47.2
253.perlbmk	2	104	40.0	2	107	38.9
254.gap	2	71.4	35.7	2	71.4	35.7
255.vortex	2	79.6	55.4	2	79.6	55.4
256.bzip2	2	155	22.4	2	156	22.4
300.twolf	2	194	35.9	2	195	35.7

Hardware

CPU:	Intel Xeon processor (3.6 GHz, 800 MHz System bus)
CPU MHz:	3600
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:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8X 1GB Apacer DDRII 400 REG ECC CL3
Disk Subsystem:	250GB Maxtor IDE
Other Hardware:	

Software

Operating System:	Windows Server 2003 EE
Compiler:	Intel C++ Compiler 8.1 Build 20040802Z 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 can be used with a 420W (minimum) ATX power supply [8-pin (+12V) and 24-pin are required]
The system bus runs at 800 MHz