CINT2000 Result

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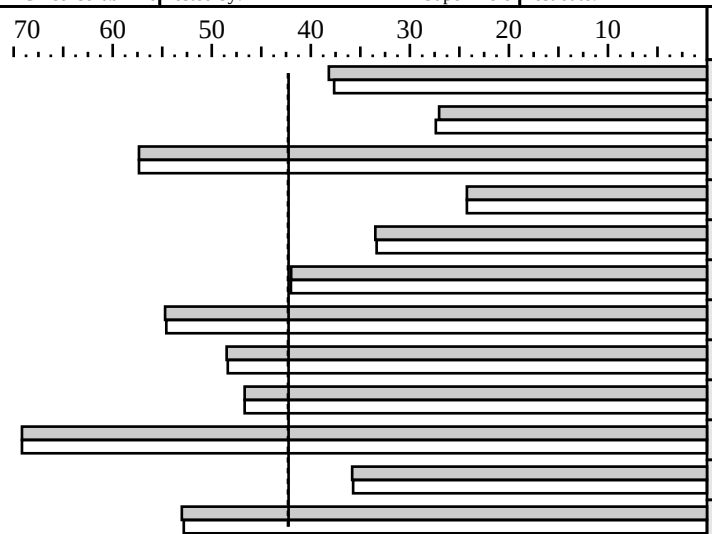
Supermicro
X6DHE/8-G2 Motherboard

SPECint_rate2000 = 42.2

SPECint_rate_base2000 = 42.3

SPEC license #01176 | Tested by: Supermicro | Test date: Oct-2005 | Hardware Avail: Sep-2005 | Software Avail: Apr-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	170	38.2	4	173	37.6
175.vpr	4	240	27.0	4	237	27.4
176.gcc	4	89.0	57.3	4	89.0	57.3
181.mcf	4	345	24.2	4	345	24.2
186.crafty	4	139	33.5	4	139	33.4
197.parser	4	199	42.0	4	199	42.0
252.eon	4	110	54.7	4	111	54.6
253.perlbmk	4	172	48.5	4	173	48.4
254.gap	4	109	46.7	4	109	46.7
255.vortex	4	127	69.2	4	127	69.2
256.bzip2	4	194	35.8	4	195	35.7
300.twolf	4	263	53.0	4	264	52.8

Hardware

CPU:	Intel Xeon 3.8GHz processor (3.8 GHz, 2MB L2, 800 MHz bus)
CPU MHz:	3800
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:	8GB (8x1GB DDR2-400 ECC REG)
Disk Subsystem:	1 X 40GB IDE
Other Hardware:	N/A

Software

Operating System:	Windows 2003 EE SP1
Compiler:	Intel C++ Compiler 9.0 Build 20050430Z (32-bit) Microsoft Visual Studio .Net 2003(for libraries) SmartHeap Library Version 7.4 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 shlW32M.lib
shlW32M.lib is the SmartHeap Library
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
```

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Notes/Tuning Information (Continued)

```
255.vortex    basepeak=yes
256.bzip2:   -fast -Oa -Qunroll1 +FDO
300.twolf:    -fast -O3 +FDO shlW32M.lib
New 32-bt Windows tools used, approved in May-2005
Tested system was built with SC743S1-R760 Chassis.
Product description located as of:
http://www.supermicro.com/products/motherboard/Xeon800/E7520/X6DH8-G2.cfm
The system bus runs at 800MHz
```