CINT2000 Result

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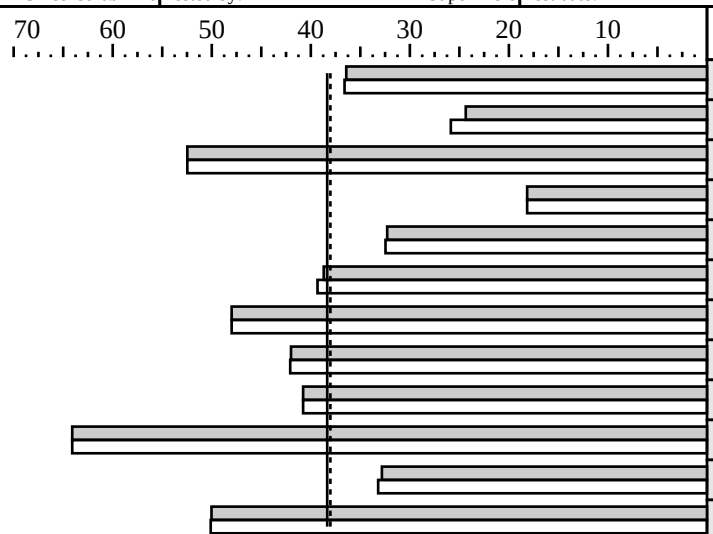
Supermicro

X6DH8/E-G2 Motherboard(Intel Xeon 3.6GHz 2M Cache)

SPECint_rate2000 = 38.3

SPECint_rate_base2000 = 38.0

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	178	36.4	4	178	36.6
175.vpr	4	267	24.4	4	251	25.9
176.gcc	4	97.3	52.5	4	97.3	52.5
181.mcf	4	460	18.2	4	460	18.2
186.crafty	4	144	32.3	4	143	32.5
197.parser	4	216	38.7	4	212	39.3
252.eon	4	126	48.0	4	126	48.0
253.perlbmk	4	199	42.0	4	198	42.1
254.gap	4	125	40.8	4	125	40.8
255.vortex	4	138	64.1	4	138	64.1
256.bzip2	4	212	32.8	4	210	33.2
300.twolf	4	278	50.0	4	278	50.1

Hardware

CPU:	Intel Xeon 3.6GHz 2M Cache
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:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 X 512MB DDR2 400MHz CL4 ECC
Disk Subsystem:	Maxtor 80GB SATA 6Y080M0
Other Hardware:	N/A

Software

Operating System:	Windows 2003 Enterprise Edition W/ SP1
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 SC823S-550LP chassis
with a 420W (minimum) ATX power supply [8-pin (+12V) and 24-pin are required]
See hhttp://www.supermicro.com/products/motherboard/Xeon800/E7520/X6DH8-G2.cfm
The system bus runs at 800 MHz
```