CINT2000 Result

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Supermicro

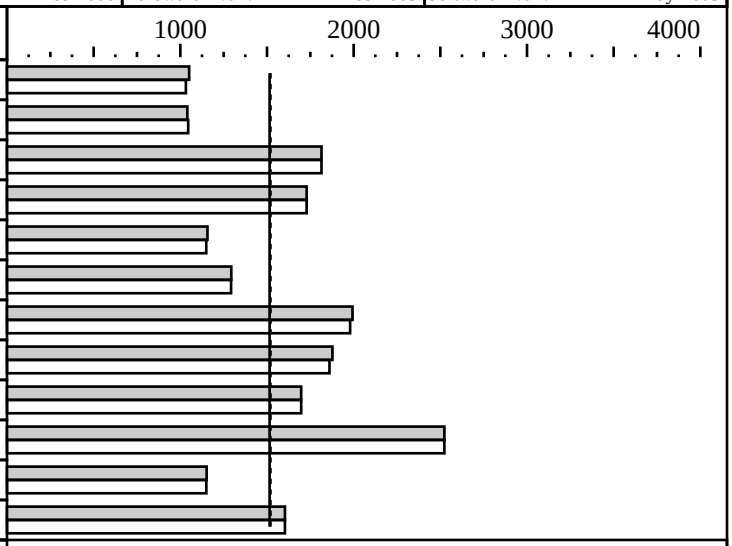
Motherboard X6DH8-G2 (Intel Xeon 3.2GHz, 2M L2 Cache, FSB 800MHz)

SPECint2000 = 1515

SPECint_base2000 = 1520

SPEC license #01176 | Tested by: Supermicro | Test date: Feb-2006 | Hardware Avail: Feb-2005 | Software Avail: May-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	133	1051	136	1032
175.vpr	1400	135	1040	134	1045
176.gcc	1100	60.6	1814	60.6	1814
181.mcf	1800	104	1729	104	1729
186.crafty	1000	86.5	1156	87.0	1150
197.parser	1800	139	1294	139	1293
252.eon	1300	65.2	1993	65.7	1980
253.perlbmk	1800	95.9	1877	96.8	1860
254.gap	1100	64.8	1697	64.8	1697
255.vortex	1900	75.3	2523	75.3	2523
256.bzip2	1500	130	1152	130	1150
300.twolf	3000	187	1604	187	1603



Hardware

CPU:	Intel Xeon 3.2GHz, 2M L2 Cache, FSB 800MHz
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology Disabled)
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12k micro-ops I + 16KBD on chip
Secondary Cache:	2MB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8 X 1GB Kingston DDR2-400, Registered, ECC, Single Rank, CL3
Disk Subsystem:	1 X IDE Seagate Barracuda 7200.7 80GB ATA100, 7200 RPM
Other Hardware:	N/A

Software

Operating System:	Windows Enterprise Edition W/ SP1
Compiler:	Intel C++ Compiler 9.0 for 32-bit applications 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
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:     -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
256.bzip2:   -fast -Oa -Qunroll1 +FDO
```

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Notes/Tuning Information (Continued)

```
300.twolf:    -fast -O3 +FDO shlW32M.lib
The system bus runs at 800 MHz
Tested system was built with SC743S1-R760 Chassis.
Product description located as of:
http://www.supermicro.com/products/motherboard/Xeon800/E7520/X6DH8-G2.cfm
```