CINT2000 Result

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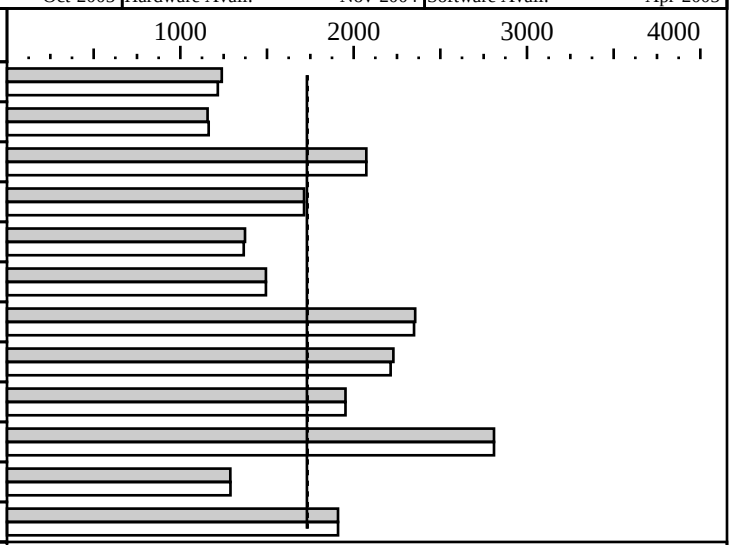
Supermicro
X6DHR-TG Motherboard

SPECint2000 = 1730

SPECint_base2000 = 1734

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	113	1239	115	1216
175.vpr	1400	121	1157	120	1163
176.gcc	1100	53.1	2073	53.1	2073
181.mcf	1800	105	1714	105	1714
186.crafty	1000	72.8	1373	73.2	1366
197.parser	1800	121	1494	121	1494
252.eon	1300	55.2	2355	55.4	2348
253.perlbmk	1800	80.8	2229	81.3	2213
254.gap	1100	56.3	1953	56.3	1953
255.vortex	1900	67.6	2810	67.6	2810
256.bzip2	1500	116	1288	116	1289
300.twolf	3000	157	1910	157	1910



Hardware

CPU:	Intel Xeon 3.8GHz processor (3.8 GHz, 2MB L2, 800 MHz bus)
CPU MHz:	3800
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:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8GB (8x1GB DDR333 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 SC813T-500 Chassis.
Product description located as of:
http://www.supermicro.com/products/motherboard/Xeon800/E7520/X6DHR-TG.cfm
The system bus runs at 800MHz
```