CINT2000 Result

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Supermicro

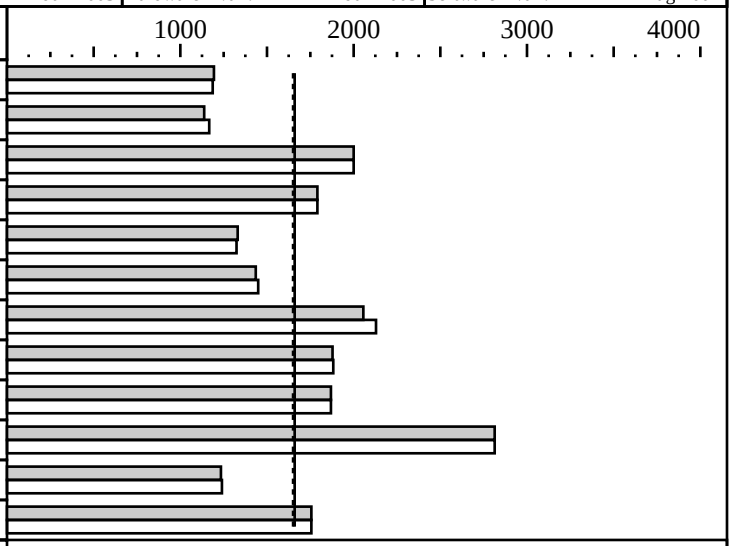
X6DH8/E-G2 Motherboard(Intel Xeon 3.6GHz 2M Cache)

SPECint2000 = 1660

SPECint_base2000 = 1651

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	117	1194	118	1187
175.vpr	1400	123	1138	120	1167
176.gcc	1100	55.0	2000	55.0	2000
181.mcf	1800	101	1791	101	1791
186.crafty	1000	75.1	1331	75.5	1324
197.parser	1800	125	1435	124	1449
252.eon	1300	63.2	2056	61.1	2129
253.perlbmk	1800	95.8	1878	95.6	1882
254.gap	1100	58.9	1869	58.9	1869
255.vortex	1900	67.5	2814	67.5	2814
256.bzip2	1500	122	1234	121	1240
300.twolf	3000	171	1756	171	1756



Hardware

CPU:	Intel Xeon 3.6GHz 2M Cache
CPU MHz:	3600
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:	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
```