CINT2000 Result

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Supermicro

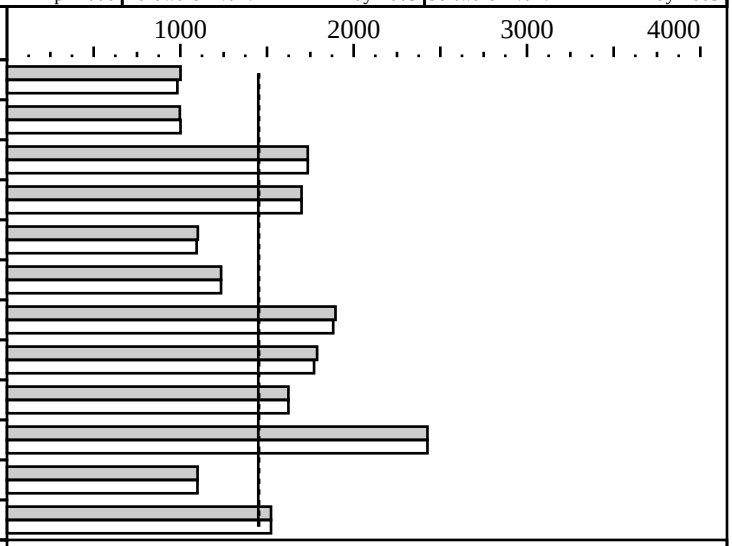
Motherboard X6DHP-8G2 (Intel Xeon 3.0GHz, 2M L2 Cache, FSB 800Mhz)

SPECint2000 = 1450

SPECint_base2000 = 1454

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	140	1001	142	983
175.vpr	1400	140	997	140	1001
176.gcc	1100	63.4	1735	63.4	1735
181.mcf	1800	106	1699	106	1699
186.crafty	1000	90.8	1101	91.4	1094
197.parser	1800	146	1235	146	1235
252.eon	1300	68.6	1895	69.1	1882
253.perlbmk	1800	101	1789	102	1771
254.gap	1100	67.8	1624	67.8	1624
255.vortex	1900	78.3	2426	78.3	2426
256.bzip2	1500	136	1099	137	1099
300.twolf	3000	197	1523	197	1523



Hardware

CPU:	Intel Xeon 3.0GHz, 2M L2 Cache, FSB 800Mhz
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1, 2
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 DDR2 400 REG ECC
Disk Subsystem:	WD 74GB 10000RPM SATA
Other Hardware:	

Software

Operating System:	Microsoft Windows Server 2003 Enterprise Edition with 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

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+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

Tested systm can be used with a 420W (minimum) ATX power supply [8-pin (+12V) and 24-pin are required]

The system bus runs at 800 MHz