



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	1000 2000 3000 4000			
164.gzip	1400	133	1051	136	1032	[Bar chart]			
175.vpr	1400	135	1040	134	1045	[Bar chart]			
176.gcc	1100	60.6	1814	60.6	1814	[Bar chart]			
181.mcf	1800	104	1729	104	1729	[Bar chart]			
186.crafty	1000	86.5	1156	87.0	1150	[Bar chart]			
197.parser	1800	139	1294	139	1293	[Bar chart]			
252.eon	1300	65.2	1993	65.7	1980	[Bar chart]			
253.perlbmk	1800	95.9	1877	96.8	1860	[Bar chart]			
254.gap	1100	64.8	1697	64.8	1697	[Bar chart]			
255.vortex	1900	75.3	2523	75.3	2523	[Bar chart]			
256.bzip2	1500	130	1152	130	1150	[Bar chart]			
300.twolf	3000	187	1604	187	1603	[Bar chart]			

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 -Qunroll11 +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>