



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.crafty: -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 -Qunroll11 +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 <http://www.supermicro.com/products/motherboard/Xeon800/E7520/X6DH8-G2.cfm>

The system bus runs at 800 MHz