



# CINT2000 Result

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## Supermicro

X6DHP-8G Motherboard(Intel Xeon 3.0GHz 2M Cache)

SPECint\_rate2000 = 33.8

SPECint\_rate\_base2000 = 33.6

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	208	31.3	4	209	31.1
175.vpr	4	287	22.6	4	277	23.4
176.gcc	4	112	45.4	4	112	45.4
181.mcf	4	422	19.8	4	422	19.8
186.crafty	4	174	26.6	4	174	26.6
197.parser	4	249	33.5	4	248	33.7
252.eon	4	151	40.0	4	151	39.9
253.perlbnk	4	236	35.4	4	236	35.4
254.gap	4	134	38.2	4	134	38.2
255.vortex	4	159	55.5	4	159	55.5
256.bzip2	4	237	29.3	4	235	29.6
300.twolf	4	330	42.2	4	331	42.0

### Hardware

CPU: Intel Xeon 3.0GHz  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip(Hyper-Threading Technology Enabled)  
CPU(s) orderable: 1, 2  
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: 2 X 1GB DDR 333 REG ECC  
Disk Subsystem: WD 74GB 10000RPM SATA  
Other Hardware:

### Software

Operating System: Windows 2003 Enterprise Edition  
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.perlbnk: -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.perlbnk: -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 SC814 Series 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/X6DHP-8G.cfm>

The system bus runs at 800 MHz