



# CINT2000 Result

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SuperMicro  
X6DHR-8G2

SPECint\_rate2000 = 31.4

SPECint\_rate\_base2000 = 31.5

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	125	25.9	2	126	25.8
175.vpr	2	164	19.8	2	160	20.2
176.gcc	2	67.9	37.6	2	67.9	37.6
181.mcf	2	209	20.0	2	209	20.0
186.crafty	2	78.8	29.4	2	80.8	28.7
197.parser	2	147	28.4	2	147	28.4
252.eon	2	65.5	46.0	2	63.9	47.2
253.perlbnk	2	104	40.0	2	107	38.9
254.gap	2	71.4	35.7	2	71.4	35.7
255.vortex	2	79.6	55.4	2	79.6	55.4
256.bzip2	2	155	22.4	2	156	22.4
300.twolf	2	194	35.9	2	195	35.7

### Hardware

CPU: Intel Xeon processor ( 3.6 GHz, 800 MHz System bus )  
CPU MHz: 3600  
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: 1024KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8X 1GB Apacer DDRII 400 REG ECC CL3  
Disk Subsystem: 250GB Maxtor IDE  
Other Hardware:

### Software

Operating System: Windows Server 2003 EE  
Compiler: Intel C++ Compiler 8.1 Build 20040802Z  
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 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