



# CINT2000 Result

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SuperMicro  
X6DHR-TG (3.6GHz, Intel Xeon )

SPECint\_rate2000 = 28.1

SPECint\_rate\_base2000 = 27.2

SPEC license #01176 | Tested by: SuperMicro Inc., San Jose, CA | Test date: Oct-2004 | Hardware Avail: Oct-2004 | Software Avail: Dec-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	135	24.1	2	141	23.1
175.vpr	2	198	16.4	2	183	17.8
176.gcc	2	74.8	34.1	2	74.8	34.1
181.mcf	2	303	13.8	2	293	14.3
186.crafty	2	87.7	26.4	2	81.8	28.3
197.parser	2	164	25.5	2	155	27.0
252.eon	2	89.6	33.7	2	74.1	40.7
253.perlbnk	2	126	33.1	2	130	32.2
254.gap	2	76.5	33.4	2	75.2	33.9
255.vortex	2	84.4	52.2	2	83.0	53.1
256.bzip2	2	180	19.3	2	177	19.6
300.twolf	2	203	34.4	2	205	34.0

### Hardware

CPU: Intel Xeon (3.6GHz, 1MB L2, 800MHz bus)  
CPU MHz: 3600  
FPU: Integrated  
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (HT 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: 8x1GB DDR-333  
Disk Subsystem: 1x40GB  
Other Hardware:

### Software

Operating System: Windows Server 2003 Standard (Build 3790)  
Compiler: Intel C++ Compiler 8.0 Build 20031211Z  
Microsoft Visual Studio .NET 7.0.9466 (for libraries)  
MicroQuill Smartheap Library 7.0  
File System: NTFS  
System State: Default

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -QxP -fast +FDO shlw32M.lib
Base tuning for C++ programs: -QxP -fast -GX -GR
Portability flags:
 176.gcc: -Dalloca=_alloca /F10000000
 186.crafty: -DNT_i386
 253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
 254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
164.gzip: -QxP -fast -Oa +FDO ONESTEP=yes
175.vpr: -QxP -fast +FDO ONESTEP=yes
176.gcc: basepeak = 1
181.mcf: -QxP -fast +FDO shlw32M.lib ONESTEP=yes
186.crafty: -QxP -fast -Oa +FDO shlw32M.lib ONESTEP=yes
197.parser: -QxP -fast +FDO ONESTEP=yes
252.eon: -QxP -O2 -Qipo +FDO ONESTEP=yes
253.perlbnk: -fast -Oa +FDO shlw32M.lib ONESTEP=yes
254.gap: -QxP -fast +FDO ONESTEP=yes
255.vortex: -QxP -fast +FDO shlw32M.lib ONESTEP=yes
256.bzip2: -fast -Oa -Qunroll1 +FDO ONESTEP=yes
```



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## Notes/Tuning Information (Continued)

300.twolf:

-QxP -fast -O3 +FDO shlw32M.lib