



CINT2000 Result

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SuperMicro
X6DHR-TG (3.6GHz, Intel Xeon)

SPECint2000 = 1492
SPECint_base2000 = 1461

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	119	1178	119	1178	
175.vpr	1400	157	893	152	921	
176.gcc	1100	60.3	1826	60.3	1826	
181.mcf	1800	172	1045	172	1044	
186.crafty	1000	75.0	1334	75.0	1334	
197.parser	1800	137	1315	137	1316	
252.eon	1300	73.8	1760	61.9	2099	
253.perlbnk	1800	97.9	1838	97.2	1852	
254.gap	1100	60.8	1808	59.8	1840	
255.vortex	1900	74.8	2539	74.9	2537	
256.bzip2	1500	148	1012	144	1039	
300.twolf	3000	168	1782	168	1782	

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 -Qunroll11 +FDO ONESTEP=yes
```



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Notes/Tuning Information (Continued)

300.twolf:

-QxP -fast -O3 +FDO shlw32M.lib