



CINT2000 Result

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Supermicro
X6DA8-G2 (3.40 GHz Xeon, 1MB L3 Cache)

SPECint2000 = 1451
SPECint_base2000 = 1374

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	125	1120	125	1120	
175.vpr	1400	149	942	149	942	
176.gcc	1100	62.3	1765	62.3	1765	
181.mcf	1800	162	1109	160	1124	
186.crafty	1000	80.5	1242	80.7	1239	
197.parser	1800	141	1272	141	1272	
252.eon	1300	79.0	1647	66.4	1958	
253.perlbmk	1800	111	1620	103	1740	
254.gap	1100	62.2	1770	62.2	1770	
255.vortex	1900	77.4	2454	77.4	2454	
256.bzip2	1500	146	1029	140	1069	
300.twolf	3000	259	1160	180	1667	

Hardware

CPU: Intel Xeon (3.4GHz 800 MHz system bus)
 CPU MHz: 3400
 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(I) micro-ops + 8KB(D) on chip
 Secondary Cache: 512KB(I+D) on chip
 L3 Cache: 1024KB(I+D) on chip
 Other Cache: N/A
 Memory: 2 x 256MB ECC CL4 PC2 3200 DDRII SDRAM
 Disk Subsystem: 1 x 73GB U320 SCSI, 10K RPM
 Other Hardware:

Software

Operating System: Windows 2003 Enterprise Server
 Compiler: Intel C/C++ Compiler 8.0 (20031229Z)
 Microsoft Visual Studio .NET (7.0.9466)
 File System: NTFS
 System State: Default

Notes/Tuning Information

PORTABILITY FLAGS

176.gcc: -Dalloca=_alloca /F10000000
 186.crafy: -DNT_i386
 253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
 254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

FEEDBACK DIRECTED OPTIMIZATION

ONESTEP=yes
 FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

BASE TUNING

C: -QxN -Qipo -O3 +FDO
 C++: -QxN -Qipo -GX -GR

PEAK TUNING

164.gzip: -QxN -Qipo -O3 -Oa +FDO
 175.vpr: basepeak=yes
 176.gcc: basepeak=yes
 181.mcf: -QxN -Qipo -O3 +FDO shlw32M.lib
 186.crafty: -QxN -Qipo -O3 -Oa +FDO shlw32M.lib
 197.parser: basepeak=yes
 252.eon: -QxN -Qipo -O3 +FDO
 253.perlbmk: -QxN -Qipo -O3 +FDO shlw32M.lib



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Supermicro
X6DA8-G2 (3.40 GHz Xeon, 1MB L3 Cache)

SPECint2000 =	1451
SPECint_base2000 =	1374

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Notes/Tuning Information (Continued)

```
254.gap:      basepeak=yes
255.vortex    basepeak=yes
256.bzip2:    -Qipo      -Oa -Qunroll1 +FDO shlw32M.lib
300.twolf:    -QxN -Qipo -O3      +FDO shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib:  MicroQuill SmartHeap Library 7.1
              www.microquill.com
```