



CINT2000 Result

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Supermicro
X6DH8-G2 (3.40 GHz Xeon, 1MB L2 Cache)

SPECint2000 = 1438
SPECint_base2000 = 1373

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	125	1120	125	1119	
175.vpr	1400	149	937	149	937	
176.gcc	1100	63.0	1745	63.0	1745	
181.mcf	1800	161	1120	159	1134	
186.crafty	1000	80.5	1242	80.9	1237	
197.parser	1800	142	1267	142	1267	
252.eon	1300	78.0	1666	67.1	1938	
253.perlbmk	1800	114	1577	103	1744	
254.gap	1100	62.3	1765	62.3	1765	
255.vortex	1900	83.7	2270	83.7	2270	
256.bzip2	1500	146	1026	140	1070	
300.twolf	3000	232	1291	181	1662	

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 + 16KB(D) on chip
 Secondary Cache: 1024KB(I+D) on chip
 L3 Cache: None
 Other Cache: N/A
 Memory: 8 x 1024MB ECC CL2.5 PC2 3200 DDRII SDRAM
 Disk Subsystem: 1 x 73GB U320 SCSI, 10K RPM
 Other Hardware:

Software

Operating System: Windows 2003 Enterprise Server w/ SP1 v.1184
 Compiler: Intel C/C++ Compiler 8.0 (20031229Z)
 Microsoft Visual Studio .NET (7.0.9466)
 MicroQuill SmartHeap Library 7.1
 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
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SPECint2000 =	1438
SPECint_base2000 =	1373

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

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
```