



CINT2000 Result

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Supermicro
X6DHP-8G (3.60 GHz Xeon, 1MB L2 Cache)

SPECint2000 = 1472
SPECint_base2000 = 1398

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	119	1180	119	1180	
175.vpr	1400	153	917	153	917	
176.gcc	1100	61.3	1794	61.3	1794	
181.mcf	1800	170	1058	167	1079	
186.crafty	1000	76.3	1311	76.4	1309	
197.parser	1800	138	1301	138	1301	
252.eon	1300	73.7	1763	63.4	2051	
253.perlbmk	1800	110	1640	99.1	1817	
254.gap	1100	59.9	1838	59.9	1838	
255.vortex	1900	83.2	2283	83.2	2283	
256.bzip2	1500	148	1012	143	1052	
300.twolf	3000	231	1300	170	1764	

Hardware

CPU: Intel Xeon (3.6GHz, 800 MHz system 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(I) micro-ops + 16KB(D) on chip
 Secondary Cache: 1024KB(I+D) on chip
 L3 Cache: None
 Other Cache: N/A
 Memory: 6 x 1024MB ECC CL2.5 PC 2700 DDR 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)
 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 =	1472
SPECint_base2000 =	1398

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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
```