



CINT2000 Result

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Supermicro
X6DVL-EG (3.60 GHz Xeon, 1MB L2 Cache)

SPECint2000 = **1481**
SPECint_base2000 = **1403**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	119	1179	119	1180	
175.vpr	1400	148	944	148	944	
176.gcc	1100	60.0	1835	60.0	1835	
181.mcf	1800	175	1028	173	1043	
186.crafty	1000	77.7	1287	76.1	1314	
197.parser	1800	138	1309	138	1309	
252.eon	1300	73.7	1765	62.9	2067	
253.perlbmk	1800	111	1627	97.6	1845	
254.gap	1100	60.4	1821	60.4	1821	
255.vortex	1900	81.3	2338	81.3	2338	
256.bzip2	1500	146	1026	140	1069	
300.twolf	3000	230	1307	172	1749	

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: N/A
 Other Cache: N/A
 Memory: 4 x 1024MB ECC CL2.5 PC 2700 DDR SDRAM
 Disk Subsystem: 1 x 40GB Seagate IDE
 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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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
```