



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Dell
Precision Workstation 650 (3.2 GHz Xeon, 1MB L3 Cache)

SPECint2000 = **1333**
SPECint_base2000 = **1274**

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Sep-2003 Hardware Avail: Oct-2003 Software Avail: Apr-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	112	1254	112	1255	
175.vpr	1400	151	930	149	939	
176.gcc	1100	66.5	1654	66.6	1651	
181.mcf	1800	219	821	216	835	
186.crafty	1000	81.1	1233	81.1	1233	
197.parser	1800	147	1226	147	1226	
252.eon	1300	91.7	1418	79.1	1644	
253.perlbmk	1800	134	1344	123	1459	
254.gap	1100	66.5	1655	66.5	1655	
255.vortex	1900	93.1	2040	93.1	2040	
256.bzip2	1500	150	1001	145	1036	
300.twolf	3000	253	1187	196	1530	

Hardware

CPU: Intel Xeon (533 MHz system bus)
 CPU MHz: 3200
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 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: 4 x 512MB PC2100 ECC DDR SDRAM CL2-2-2
 Disk Subsystem: 1 x 36GB 10K RPM U320 SCSI
 Other Hardware:

Software

Operating System: Windows XP Professional SP1
 Compiler: Intel C++ Compiler 7.1 (20030402Z)
 Microsoft Visual Studio .NET (7.0.9466)
 MicroQuill SmartHeap Library 6.01
 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: -QxW -Qipo -O3 +FDO
 C++: -QxW -Qipo -GX -GR

PEAK TUNING

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



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Dell

Precision Workstation 650 (3.2 GHz Xeon, 1MB L3 Cache)

SPECint2000 = 1333

SPECint_base2000 = 1274

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Sep-2003 | Hardware Avail: Oct-2003 | Software Avail: Apr-2003

Notes/Tuning Information (Continued)

```
254.gap:      basepeak=yes
255.vortex    basepeak=yes
256.bzip2:    -Qipo -Oa -Qunroll11 +FDO
300.twolf:    -Qipo -QxW -O3 -Oa      shlW32M.lib
EXTRA LIBRARIES
shlW32M.lib:  MicroQuill SmartHeap Library 6.01
              www.microquill.com
```

1 CPU disabled via BIOS setting.