



CINT2000 Result

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Dell Inc.
PowerEdge 1420SC (3.6Ghz Intel Xeon)

SPECint2000 = 1703
SPECint_base2000 = 1681

SPEC license #: 55 Tested by: Dell Inc., Round Rock, TX Test date: Jan-2005 Hardware Avail: Feb-2005 Software Avail: Oct-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	117	1197	118	1190	
175.vpr	1400	116	1202	116	1202	
176.gcc	1100	54.6	2015	54.6	2015	
181.mcf	1800	96.0	1875	96.0	1875	
186.crafty	1000	74.9	1336	74.5	1341	
197.parser	1800	123	1467	123	1467	
252.eon	1300	58.3	2231	58.0	2241	
253.perlbnk	1800	98.2	1833	86.1	2092	
254.gap	1100	57.6	1911	57.6	1911	
255.vortex	1900	69.7	2728	69.6	2729	
256.bzip2	1500	119	1263	118	1268	
300.twolf	3000	169	1780	166	1804	

Hardware

CPU: Intel Xeon (3.6Ghz, 2MB L2, 800MHz system bus)
 CPU MHz: 3600
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
 CPU(s) orderable: 1,2
 Parallel: No
 Primary Cache: 12K(I) micro-ops + 16KB(D) on chip
 Secondary Cache: 2048KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 4x512MB (dual-ranked) ECC DDR2-400 SDRAM
 Disk Subsystem: 1 x 120GB 7200RPM SATA
 Other Hardware: None

Software

Operating System: Windows 2003 Server, Standard Edition
 Compiler: Intel C/C++ Compiler 8.1 (20041019Z)
 Intel Fortran Compiler 8.1 (20041019Z)
 Microsoft Visual Studio .NET 2003(7.1.3088)
 MicroQuill SmartHeap Library 7.1
 File System: NTFS
 System State: Default

Notes/Tuning Information

GENERAL

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

PORTABILITY FLAGS

176.gcc: -Dalloca=_alloca /F10000000
 186.crafty: -DNT_i386
 252.eon: Approved src.alt stdcpp
 253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
 254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

BASE TUNING

C: -fast -QxP -Qansi_alias +FDO
 C++: -QxP -Qipo -Qcxx_features +FDO

PEAK TUNING

164.gzip: -fast -QxP -Qansi_alias -Oa +FDO
 175.vpr: basepeak=yes
 176.gcc: basepeak=yes
 181.mcf: basepeak=yes
 186.crafty: -fast -QxP -Oa +FDO shlW32M.lib
 197.parser: basepeak=yes
 252.eon: -fast -QxP +FDO



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Notes/Tuning Information (Continued)

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253.perlbnk: -fast -QxP -Qansi_alias +FDO shlw32M.lib
254.gap:      basepeak=yes
255.vortex   -fast -QxP +FDO
256.bzip2:   -fast -QxP -Qunroll11 -Oa +FDO
300.twolf:   -fast -QxP +FDO shlw32M.lib
```