



CINT2000 Result

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Dell

PowerEdge 1950 (Intel Xeon processor 5120, 1.86GHz)

SPECint2000 = 1984

SPECint_base2000 = 1979

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: May-2006 Hardware Avail: Jul-2006 Software Avail: May-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	121	1161	121	1160	
175.vpr	1400	96.3	1453	94.0	1490	
176.gcc	1100	48.9	2248	48.9	2248	
181.mcf	1800	59.4	3028	59.4	3028	
186.crafty	1000	58.8	1702	58.8	1699	
197.parser	1800	116	1555	115	1560	
252.eon	1300	53.3	2441	53.3	2439	
253.perlbmk	1800	78.2	2303	78.2	2303	
254.gap	1100	55.5	1980	55.2	1991	
255.vortex	1900	57.3	3317	57.3	3317	
256.bzip2	1500	100	1499	100	1496	
300.twolf	3000	140	2151	140	2151	

Hardware

CPU: Intel Xeon processor 5120 (1066MHz system bus)
 CPU MHz: 1866
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1,2
 Parallel: No
 Primary Cache: 32KB(I) + 32KB(D) on chip, per core
 Secondary Cache: 4096KB(I+D) on chip, shared
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 8 x 1GB 667MHz ECC CL5 DDR2 FB-DIMM
 Disk Subsystem: 1 x 80GB SATA 7200 RPM
 Other Hardware: None

Software

Operating System: Microsoft Windows Server 2003 Enterprise x64 Edition + SP1 (64-bit)
 Compiler: Intel C++ Compiler 9.1 for IA32(20060323Z)
 Microsoft Visual Studio .NET 2003(7.1.3088)
 MicroQuill SmartHeap Library 8.0
 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
 253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
 254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

BASE TUNING

C: -fast +FDO shlw32m.lib
 C++: -fast -Qcxx_features +FDO

PEAK TUNING

164.gzip: -fast +FDO
 175.vpr: -fast +FDO
 176.gcc: basepeak=yes
 181.mcf: basepeak=yes
 186.crafty: -fast -Oa +FDO shlw32m.lib
 197.parser: -fast +FDO
 252.eon: -fast +FDO
 253.perlbmk: basepeak=yes



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Notes/Tuning Information (Continued)

254.gap: -fast +FDO
255.vortex basepeak=yes
256.bzip2: -fast -Qunroll11 -Oa +FDO
300.twolf: basepeak=yes
BIOS SETTINGS
Snoop Filter enabled in BIOS