



CINT2000 Result

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HITACHI

HITACHI BladeSymphony (1.66GHz/9MB Itanium 2)

SPECint2000 = --

SPECint_base2000 = 1490

SPEC license #: 872 Tested by: HITACHI Test date: Jul-2005 Hardware Avail: Jul-2005 Software Avail: Jun-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	133	1051			
175.vpr	1400	114	1231			
176.gcc	1100	64.5	1704			
181.mcf	1800	62.9	2862			
186.crafty	1000	76.3	1311			
197.parser	1800	166	1086			
252.eon	1300	57.8	2249			
253.perlbmk	1800	122	1472			
254.gap	1100	115	956			
255.vortex	1900	84.9	2239			
256.bzip2	1500	118	1271			
300.twolf	3000	202	1483			

Hardware

CPU: Intel Itanium 2
 CPU MHz: 1666
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 CPU(s) orderable: 1,2
 Parallel: No
 Primary Cache: 16KBI + 16KBD on chip, per core
 Secondary Cache: 256KB(I+D) on chip, per core
 L3 Cache: 9.0MB(I+D) on chip, per core
 Other Cache: N/A
 Memory: 8GB (1GB DIMM x 8)
 Disk Subsystem: Seagate Ultra320 ST373454LC (73GBx1), 15000rpm
 Other Hardware: None

Software

Operating System: Red Hat Enterprise Linux AS 3 update 3
 Compiler: Intel(R) C++ Compiler for Linux 9.0 (Build 20050430)
 File System: ext3
 System State: Multi-user run level 3

Notes/Tuning Information

Base tuning flags:

```
C : -fast -auto_ilp32 +FDO
C++ : -fast -auto_ilp32 -IPF_fp_relaxed +FDO
```

+FDO: PASS1=-prof_gen PASS2=-prof_use

Portability flags:

```
176.gcc: -DSPEC_CPU2000_LP64 -Dalloca=_alloca
186.crafty: -DLINUX_i386
252.eon: -DSPEC_CPU2000_LP64 -DHAS_ERRLIST fmax_errno src.alt
253.perlbmk: -DSPEC_CPU2000_LP64 -DSPEC_CPU2000_NEED_BOOL
           -DSPEC_CPU2000_LINUX_IA64 -DSPEC_CPU2000_GLIBC22
254.gap: -DSPEC_CPU2000_LP64 -DSYS_HAS_CALLOC_PROTO -DSYS_IS_USG
           -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO -DSYS_HAS_SIGNAL_PROTO
255.vortex: -DSPEC_CPU2000_LP64 closed_files src.alt
300.twolf: stdfree src.alt
```

One of two cpus is used.
 One is disabled by firmware prior to boot.