



CINT2000 Result

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Bull
NovaScale 4040 (1500MHz)

SPECint_rate2000 = 50.6

SPECint_rate_base2000 = 50.0

SPEC license #: 20 | Tested by: Tilmant | Test date: Jun-2003 | Hardware Avail: Sep-2003 | Software Avail: Sep-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	157	41.3	4	157	41.3
175.vpr	4	150	43.2	4	150	43.2
176.gcc	4	88.8	57.5	4	82.4	61.9
181.mcf	4	153	54.7	4	153	54.7
186.crafty	4	88.2	52.6	4	86.4	53.7
197.parser	4	200	41.7	4	202	41.4
252.eon	4	97.3	62.0	4	92.9	65.0
253.perlbnk	4	176	47.3	4	176	47.3
254.gap	4	158	32.2	4	158	32.2
255.vortex	4	111	79.6	4	108	81.6
256.bzip2	4	141	49.5	4	141	49.5
300.twolf	4	263	52.9	4	263	52.9

Hardware

CPU: Itanium 2 processor 1500 MHz
 CPU MHz: 1500
 FPU: Integrated
 CPU(s) enabled: 4 cores, 4 chips, 1 core/chip
 CPU(s) orderable: 1 to 4
 Parallel: No
 Primary Cache: 16KBI + 16KBD on chip
 Secondary Cache: 256KB(I+D) on chip
 L3 Cache: 6MB (I+D) off chip
 Other Cache: N/A
 Memory: 4 GB (16 * 512 MB DIMMs)
 Disk Subsystem: 1 Maxtor 10krpm 36GB SCSI
 Other Hardware:

Software

Operating System: Microsoft Enterprise Server 2003
 Compiler: Intel C/C++ Compiler 7.1 for Windows
 Build 20030528 (W_CC_PU_7.1.013)
 Microsoft Platform SDK February 2003 (5.2.3790.0)
 File System: NTFS
 System State: Default

Notes/Tuning Information

+FDO: PASS1=/Qprof_gen PASS2=/Qprof_use

Base tuning:

C programs: /Qipo +FDO /O3

C++ programs: /Qipo +FDO -GX -GR

Portability

175.vpr: -DSPEC_CPU2000_P64
 176.gcc: -Dalloca=_alloca /F10000000
 181.mcf: -DSPEC_CPU2000_P64
 186.crafty: -DNT_i386
 252.eon: -DSPEC_CPU2000_P64
 253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL -DSPEC_CPU2000_P64
 253.perlbnk: -DHAS_LONG_LONG -DUSE_LONG_LONG
 254.gap: -DSPEC_CPU2000 -DSPEC_CPU2000_P64
 255.vortex: -DSPEC_CPU2000_P64 -D_WIN32

164.gzip: basepeak=yes
 175.vpr: basepeak=yes
 176.gcc: +FDO /Qipo /O2 /QIPF_fma /QIPFfltacc
 181.mcf: basepeak=yes
 186.crafty: +FDO /Qipo /O2



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Notes/Tuning Information (Continued)

```
197.parser: +FDO /Qipo /O2
252.eon: +FDO /Qipo /O2 /QIPF_fma /QIPFfltacc /QIPFflt_eval_method0 -Qftz /Qansi_alias
253.perlbnk: basepeak=yes
254.gap: basepeak=yes
255.vortex: +FDO /Qipo /O2 /QIPF_fma /QIPFfltacc
256.bzip2: basepeak=yes
300.twolf: basepeak=yes
```