



CINT2000 Result

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Bull
NovaScale 4040 (1500MHz)

SPECint2000 = **1107**
SPECint_base2000 = **1093**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	155	904	155	904	
175.vpr	1400	149	937	149	937	
176.gcc	1100	86.4	1273	80.2	1371	
181.mcf	1800	148	1215	148	1215	
186.crafty	1000	88.2	1134	86.3	1159	
197.parser	1800	200	900	201	893	
252.eon	1300	97.0	1340	92.8	1401	
253.perlbnk	1800	173	1039	173	1039	
254.gap	1100	150	734	150	734	
255.vortex	1900	109	1738	107	1775	
256.bzip2	1500	139	1076	139	1076	
300.twolf	3000	263	1140	263	1140	

Hardware

CPU: Itanium 2 processor 1500 MHz
 CPU MHz: 1500
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 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 -DPERL DLL -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

Standard Performance Evaluation Corporation

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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
```