



CINT2000 Result

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Bull

NovaScale T840 (3.0 GHz, Intel Xeon Processor 5050)

SPECint2000 = 1419

SPECint_base2000 = 1417

SPEC license #: 20 Tested by: Bull Test date: Aug-2006 Hardware Avail: Aug-2006 Software Avail: Aug-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	137	1020	137	1020	[Bar chart showing ratio 1020]			
175.vpr	1400	149	937	148	945	[Bar chart showing ratio 945]			
176.gcc	1100	64.1	1715	64.1	1715	[Bar chart showing ratio 1715]			
181.mcf	1800	128	1403	128	1403	[Bar chart showing ratio 1403]			
186.crafty	1000	89.0	1124	89.0	1124	[Bar chart showing ratio 1124]			
197.parser	1800	148	1216	148	1218	[Bar chart showing ratio 1218]			
252.eon	1300	63.8	2037	63.8	2037	[Bar chart showing ratio 2037]			
253.perlbnk	1800	103	1754	103	1754	[Bar chart showing ratio 1754]			
254.gap	1100	70.0	1572	69.5	1583	[Bar chart showing ratio 1583]			
255.vortex	1900	79.6	2386	79.6	2386	[Bar chart showing ratio 2386]			
256.bzip2	1500	150	1002	150	1002	[Bar chart showing ratio 1002]			
300.twolf	3000	193	1558	193	1558	[Bar chart showing ratio 1558]			

Hardware

CPU: Intel Xeon Processor 5050 (3.0GHz, 2x2MB L2, 667MHz bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1 to 2
Parallel: No
Primary Cache: 12K(I) micro-ops + 16KB(D) (on chip) per core
Secondary Cache: 2048KB(I+D) (on chip) per core
L3 Cache: N/A
Other Cache: N/A
Memory: 8GB (8 x 1GB 533MHz ECC CL4 DDR2 FB-DIMM)
Disk Subsystem: 2x73GB SCSI 10K rpm
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise Edition (32 bits), Service Pack 1
Compiler: Intel(R) C++ Compiler for 32-bit app., Version 9.1, - Build 20060706Z Package ID: W_CC_C_9.1.028
Microsoft Visual Studio .NET 2003 (for libraries)
MicroQuill SmartHeap Library 8.0 (shlW32M.lib)
File System: NTFS
System State: Default

Notes/Tuning Information

Portability flags:

```
176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
```

Feedback optimization:

```
+FDO: PASS1= -Qprof_gen PASS2= -Qprof_use
```

Baseline Tuning Flags:

```
for C programs:
-fast +FDO ONESTEP=yes shlW32M.lib
for C++ program 252.eon:
-fast -Qcxx_features +FDO ONESTEP=yes
```

Peak Tuning Flags:

```
164.gzip: basepeak=yes
175.vpr: -fast +FDO ONESTEP=yes
176.gcc: basepeak=yes
181.mcf: basepeak=yes
```



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Notes/Tuning Information (Continued)

186.crafty: basepeak=yes
197.parser: -fast +FDO ONESTEP=yes
252.eon: basepeak=yes
253.perlbmk: basepeak=yes
254.gap: -fast +FDO ONESTEP=yes
255.vortex: basepeak=yes
256.bzip2: basepeak=yes
300.twolf: basepeak=yes

Other Configuration Notes

/NUMPROC=1 flag was added to boot.ini to invoke uniprocessor environment

For information about Bull please see:
<http://www.bull.com>