



CINT2000 Result

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Bull

NovaScale T840 (3.0 GHz, Intel Xeon Processor 5050)

SPECint_rate2000 = 62.9

SPECint_rate_base2000 = 62.5

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	221	58.9	8	221	58.9
175.vpr	8	339	38.3	8	333	39.1
176.gcc	8	116	88.0	8	116	88.0
181.mcf	8	664	25.2	8	664	25.2
186.crafty	8	185	50.3	8	185	50.3
197.parser	8	258	64.7	8	256	65.1
252.eon	8	119	101	8	119	101
253.perlbnk	8	219	76.3	8	219	76.3
254.gap	8	161	63.3	8	155	66.0
255.vortex	8	163	108	8	163	108
256.bzip2	8	284	49.0	8	284	49.0
300.twolf	8	330	84.4	8	330	84.4

Hardware

CPU: Intel Xeon Processor 5050 (3.0GHz, 2x2MB L2, 667MHz bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip (Hyper-Threading Technology enabled)
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.perlbnk: basepeak=yes
254.gap: -fast +FDO ONESTEP=yes
255.vortex: basepeak=yes
256.bzip2: basepeak=yes
300.twolf: basepeak=yes

For information about Bull please see:
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