



CINT2000 Result

Copyright ©1999-2007, Standard Performance Evaluation Corporation

Bull

NovaScale B280 (Intel Xeon processor 5110, 1.60 GHz)

SPECint2000 = 1690

SPECint_base2000 = 1687

SPEC license #: 20 | Tested by: Bull | Test date: Dec-2006 | Hardware Avail: Jan-2007 | Software Avail: Dec-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	141	996	141	994	
175.vpr	1400	112	1246	110	1271	
176.gcc	1100	57.3	1920	57.3	1920	
181.mcf	1800	68.2	2640	68.2	2640	
186.crafty	1000	68.5	1459	68.5	1459	
197.parser	1800	135	1331	135	1334	
252.eon	1300	62.4	2082	62.4	2082	
253.perlbmk	1800	93.5	1926	93.5	1926	
254.gap	1100	66.4	1657	66.3	1658	
255.vortex	1900	67.3	2825	67.3	2825	
256.bzip2	1500	121	1240	121	1240	
300.twolf	3000	161	1868	161	1868	

Hardware

CPU: Intel Xeon Processor 5110 (1.60 GHz, 4MB L2, 1066MHz bus)
CPU MHz: 1600
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 2 cores/chip
CPU(s) orderable: 1 to 2 chips
Parallel: No
Primary Cache: 32KB(I) + 32KB(D) on chip, per core
Secondary Cache: 4096KB(I+D) on chip per chip (shared by 2 cores)
L3 Cache: N/A
Other Cache: N/A
Memory: 8GB (1GB DIMMx8, FB-DIMM PC2-5300F ECC CL5)
Disk Subsystem: 1x73GB SAS 10000 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 20061103Z Package ID: W_CC_C_9.1.033
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.perlbmk: -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: -fast +FDO ONESTEP=yes
175.vpr: -fast +FDO ONESTEP=yes
176.gcc: basepeak=yes
181.mcf: basepeak=yes
```



CINT2000 Result

Copyright ©1999-2007, Standard Performance Evaluation Corporation

Bull

NovaScale B280 (Intel Xeon processor 5110, 1.60 GHz)

SPECint2000 = 1690

SPECint_base2000 = 1687

SPEC license #: 20 | Tested by: Bull | Test date: Dec-2006 | Hardware Avail: Jan-2007 | Software Avail: Dec-2006

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

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>