CINT2000 Result

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Bull

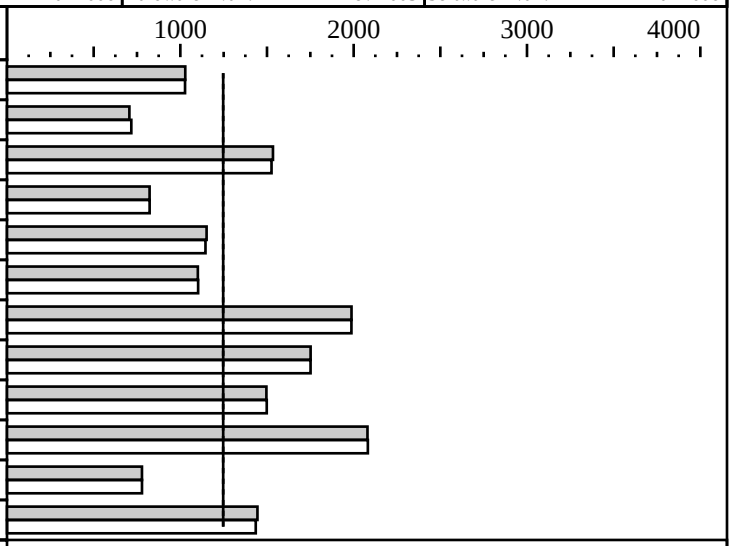
Express5800-140Rd4 (3.16 GHz Xeon MP)

SPECint2000 = 1247

SPECint_base2000 = 1247

SPEC license #: 20 | Tested by: Bull | Test date: Mar-2006 | Hardware Avail: Nov-2005 | Software Avail: Mar-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	136	1028	136	1027
175.vpr	1400	198	706	195	717
176.gcc	1100	71.7	1534	72.1	1526
181.mcf	1800	219	823	219	823
186.crafty	1000	86.8	1151	87.3	1145
197.parser	1800	163	1101	163	1103
252.eon	1300	65.4	1988	65.4	1987
253.perlbmk	1800	103	1752	103	1751
254.gap	1100	73.5	1497	73.4	1499
255.vortex	1900	91.4	2080	91.3	2082
256.bzip2	1500	193	779	193	779
300.twolf	3000	208	1445	209	1435



Hardware

CPU:	Intel Xeon Processor MP (3.16GHz, 1MB L2, 667MHz bus)
CPU MHz:	3160
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1 to 4
Parallel:	No
Primary Cache:	12KB(I) micro-ops + 16KB(D)
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4GB (1GB DIMMx4, DDR2-400, ECC)
Disk Subsystem:	1x73GB SCSI U320 15000 rpm
Other Hardware:	

Software

Operating System:	Windows Server 2003 R2 Enterprise Edition (32 bits)
Compiler:	Intel(R) C++ Compiler for 32-bit app., Version 9.0, - Build 20060120Z Package ID: W_CC_C_9.0.029 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:      -fast                +FDO ONESTEP=yes
 181.mcf:      -fast                +FDO ONESTEP=yes shlW32M.lib
```

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Notes/Tuning Information (Continued)

```
 186.crafty:    -fast                  +FDO ONESTEP=yes
 197.parser:    -fast                  +FDO ONESTEP=yes
 252.eon:       -fast -Qcxx_features   +FDO
 253.perlbmk:   -fast -Oa              +FDO ONESTEP=yes shlW32M.lib
 254.gap:       -fast                  +FDO ONESTEP=yes
 255.vortex     -fast                  +FDO ONESTEP=yes shlW32M.lib
 256.bzip2:     -fast -Qunroll1 -Oa    +FDO ONESTEP=yes shlW32M.lib
 300.twolf:     -fast                  +FDO shlW32M.lib


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

 Express5800-140He and 140Rd4 are electronically equivalent
 Measured on Express5800-140Rd4

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