CINT2000 Result

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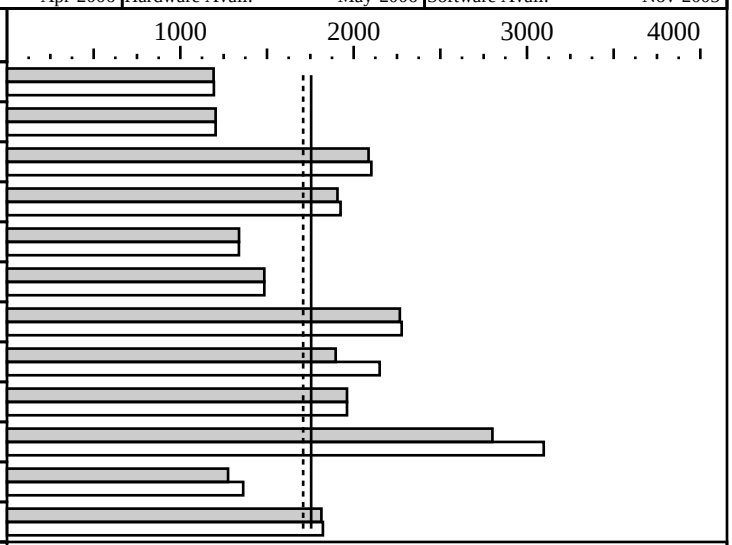
Banha for Electronic Industeries Challenger

SPECint2000 = 1755

SPECint_base2000 = 1709

SPEC license #: 3208 | Tested by: Nordix Computer Corporation | Test date: Apr-2006 | Hardware Avail: May-2006 | Software Avail: Nov-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	117	1192	117	1194
175.vpr	1400	116	1204	116	1204
176.gcc	1100	52.7	2086	52.3	2102
181.mcf	1800	94.4	1907	93.5	1924
186.crafty	1000	74.7	1339	74.7	1338
197.parser	1800	121	1485	121	1485
252.eon	1300	57.4	2266	57.1	2277
253.perlbmk	1800	94.9	1896	83.7	2150
254.gap	1100	56.1	1962	56.1	1962
255.vortex	1900	67.8	2801	61.4	3097
256.bzip2	1500	118	1275	110	1363
300.twolf	3000	165	1814	165	1822



Hardware

CPU:	Intel(R) Pentium(R) 4 processor 660(3.6 GHz, 800 MHz bus)
CPU MHz:	3600
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12K micro-ops I + 16KBD on chip
Secondary Cache:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	512 MB (2x256 MB DDRII 533)
Disk Subsystem:	1 x 80 GB HDD SATA
Other Hardware:	None

Software

Operating System:	Windows XP Professional Edition SP2
Compiler:	Intel(R) C++ Compiler 9.0 (32-bit) Build 20051130Z Microsoft Visual Studio .Net 2003(for libraries) MicroQuill SmartHeap Library Version 8 from http://www.microquill.com/
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
Portability flags:
 176.gcc: -Dalloca=_alloca /F10000000
 186.crafy: -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:
 C:   -QxN -Qipo -O3 +FDO
 C++: -fast -Qcxx_features -O3 +FDO

Peak Tuning Flags:
 164.gzip:     -QxN -Qipo -O3 +FDO shlW32M.lib
 175.vpr:      basepeak=yes
 176.gcc:      -fast shlW32M.lib
 181.mcf:      -fast -Qansi_alias -Oa +FDO shlW32M.lib
 186.crafty:   -QxP -O3 -Qipo +FDO shlW32M.lib
 197.parser:   basepeak=yes
```

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Notes/Tuning Information (Continued)

```
252.eon:      -fast -O3  +FDO
253.perlbmk:  -fast -Qansi_alias +FDO shlW32M.lib
254.gap:      basepeak=yes
255.vortex    -fast -O3 -Qansi_alias +FDO
256.bzip2:    -QxP -Qipo -Oa -Qunroll1 +FDO
300.twolf:    -fast -O3 -Qipo +FDO
```