



CINT2000 Result

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Banha for Electronic Industries 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	1000 2000 3000 4000			
164.gzip	1400	117	1192	117	1194	[Bar chart showing ratio]			
175.vpr	1400	116	1204	116	1204	[Bar chart showing ratio]			
176.gcc	1100	52.7	2086	52.3	2102	[Bar chart showing ratio]			
181.mcf	1800	94.4	1907	93.5	1924	[Bar chart showing ratio]			
186.crafty	1000	74.7	1339	74.7	1338	[Bar chart showing ratio]			
197.parser	1800	121	1485	121	1485	[Bar chart showing ratio]			
252.eon	1300	57.4	2266	57.1	2277	[Bar chart showing ratio]			
253.perlbnk	1800	94.9	1896	83.7	2150	[Bar chart showing ratio]			
254.gap	1100	56.1	1962	56.1	1962	[Bar chart showing ratio]			
255.vortex	1900	67.8	2801	61.4	3097	[Bar chart showing ratio]			
256.bzip2	1500	118	1275	110	1363	[Bar chart showing ratio]			
300.twolf	3000	165	1814	165	1822	[Bar chart showing ratio]			

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.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:

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)

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252.eon:      -fast -O3 +FDO
253.perlbnk:  -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
```