



CINT2000 Result

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Intel(R) Corporation

Intel(R) D975XB2 motherboard(2.93 GHz, Intel(R) Core(TM) 2 Extreme processor X6800)

SPECint2000 = 3040

SPECint_base2000 = 3034

SPEC license #: 13 Tested by: Intel Corporation Test date: Oct-2006 Hardware Avail: Nov-2006 Software Avail: May-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	78.8	1776	78.3	1788	
175.vpr	1400	63.1	2217	61.6	2271	
176.gcc	1100	33.3	3308	33.3	3308	
181.mcf	1800	36.5	4927	36.5	4927	
186.crafty	1000	37.5	2663	37.6	2657	
197.parser	1800	80.2	2244	80.5	2236	
252.eon	1300	34.8	3741	34.6	3753	
253.perlbmk	1800	50.5	3564	50.7	3553	
254.gap	1100	36.8	2987	36.8	2987	
255.vortex	1900	36.3	5237	36.3	5237	
256.bzip2	1500	65.0	2309	65.2	2302	
300.twolf	3000	91.0	3297	91.0	3296	

Hardware

CPU: Intel(R) Core(TM) 2 Extreme processor X6800(2.93 GHz, 1066 MHz bus)
CPU MHz: 2933
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 32KBI + 32KBD per core, on chip
Secondary Cache: 4 MB(I+D) per chip, on chip (shared)
L3 Cache: None
Other Cache: None
Memory: 2 GB (2 1GB Micron MT16HTF12864AY-80ED4 DDR2 800, CL5)
Disk Subsystem: Maxtor DiamondMax 10 6B300S0 300GB NCQ Serial ATA (7200 RPM, 16MB cache)
Other Hardware: nVidia Quad SLI GeForce 7950 GX2 PCI Express graphics card

Software

Operating System: Windows XP Professional SP2
Compiler: Intel C++ Compiler 9.1 for 32-bit applications
Build 20060323Z Package ID: W_CC_P_9.1.020
Microsoft Visual Studio 2005(for libraries)
SmartHeap Library Version 8.0 from <http://www.microquill.com/>
File System: NTFS
System State: Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -fast +FDO shlw32M-80.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO shlw32M-80.lib
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
252.eon: -DHAS_ERRLIST
253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
164.gzip: -fast -Qansi_alias -Oa +FDO
175.vpr: -fast -Qansi_alias +FDO
176.gcc: basepeak=yes
181.mcf: basepeak=yes
186.crafty: -fast -Qansi_alias -Oa +FDO
197.parser: -fast -Qansi_alias +FDO
252.eon: -fast +FDO
253.perlbmk: -fast -Qansi_alias +FDO shlw32M-80.lib
254.gap: basepeak=yes
255.vortex: basepeak=yes
```



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Notes/Tuning Information (Continued)

256.bzip2: -fast -Oa -Qunroll1 +FDO

300.twolf: -fast -O3 +FDO shlw32m-80.lib

Tested systems can be used with Shin-G ATX case, Antec NeoPower 480W power supply

Product description located as of 11/2006

<http://www.intel.com/products/motherboard/D975XBX2/index.htm>

shlw32m-80.lib is the V8.0 SmartHeap library renamed to co-exist with older versions

The system bus runs at 1066 MHz