



# CINT2000 Result

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## Intel(R) Corporation

Intel(R) D975XBX2 motherboard( 2.67 GHz, Intel(R) Core(TM) 2 Extreme processor QX6700)

SPECint2000 = 2815

SPECint\_base2000 = 2815

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	85.3	1642	84.8	1650	
175.vpr	1400	67.3	2080	66.6	2102	
176.gcc	1100	35.9	3064	35.9	3064	
181.mcf	1800	38.3	4694	38.3	4694	
186.crafty	1000	41.0	2437	40.6	2462	
197.parser	1800	86.4	2082	87.0	2070	
252.eon	1300	37.6	3454	37.9	3431	
253.perlbmk	1800	54.6	3298	54.8	3288	
254.gap	1100	39.8	2767	39.8	2767	
255.vortex	1900	39.2	4852	39.2	4852	
256.bzip2	1500	70.4	2130	70.7	2121	
300.twolf	3000	98.6	3044	99.0	3031	

### Hardware

CPU: Intel(R) Core(TM) 2 Extreme processor QX6700( 2.67 GHz, 1066 MHz bus)  
CPU MHz: 2667  
FPU: Integrated  
CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 32KBI + 32KBD per core, on chip  
Secondary Cache: 8 MB(I+D) per chip, on chip (4MB shared per 2 cores)  
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