



# CINT2000 Result

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## Intel(R) Corporation

Intel(R) DG965WH motherboard( 2.93 GHz, Intel(R) Core(TM) 2 Extreme processor X6800)

SPECint2000 = 3109

SPECint\_base2000 = 3099

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	78.4	1786	76.6	1828	
175.vpr	1400	61.7	2268	60.3	2323	
176.gcc	1100	32.5	3383	32.5	3383	
181.mcf	1800	35.7	5044	35.7	5044	
186.crafty	1000	36.7	2723	36.8	2714	
197.parser	1800	78.4	2296	78.5	2292	
252.eon	1300	34.0	3818	34.0	3825	
253.perlbnk	1800	49.4	3641	49.5	3633	
254.gap	1100	35.8	3076	35.8	3076	
255.vortex	1900	35.6	5343	35.6	5343	
256.bzip2	1500	63.5	2363	63.6	2359	
300.twolf	3000	89.3	3361	89.3	3361	

### 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  
Secondary Cache: 4MB(I+D) shared, per chip  
L3 Cache: None  
Other Cache: None  
Memory: 2 GB (2 1GB Corsair TWIN2X2048-8500C5 DDR2 1066 CL5-5-5 DIMMs)  
Disk Subsystem: Maxtor DiamondMax 10 6B300S0 300GB NCQ Serial ATA (7200 RPM, 16MB cache)  
Other Hardware: ATI Radeon X1900 XTX 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.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO shlW32M.lib
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafy: -DNT_i386
252.eon: -DHAS_ERRLIST
253.perlbnk: -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.perlbnk: -fast -Qansi_alias +FDO shlW32M.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.lib

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

Product description located as of 07/2006

<http://www.intel.com/products/motherboard/DG965WH/index.htm>

The system bus runs at 1066 MHz

Bios memory timings set to DDR2-800 5-5-5-15 manually