



# CINT2000 Result

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## Intel(R) Corporation

Intel(R) DG965WH motherboard( 3.2 GHz, Intel(R) Pentium(TM) D processor 940)

SPECint\_rate2000 = 36.7

SPECint\_rate\_base2000 = 36.7

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	127	25.5	2	127	25.5
175.vpr	2	129	25.2	2	128	25.4
176.gcc	2	59.5	42.9	2	59.5	42.9
181.mcf	2	101	41.2	2	101	41.2
186.crafty	2	83.1	27.9	2	83.6	27.7
197.parser	2	143	29.3	2	142	29.3
252.eon	2	59.9	50.4	2	60.2	50.1
253.perlbnk	2	93.0	44.9	2	93.3	44.8
254.gap	2	62.1	41.1	2	62.1	41.1
255.vortex	2	66.8	66.0	2	66.8	66.0
256.bzip2	2	124	28.0	2	125	27.9
300.twolf	2	184	37.8	2	184	37.8

### Hardware

CPU: Intel(R) Pentium(TM) D processor 940( 3.2 GHz, 800 MHz bus)  
CPU MHz: 3200  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 12K micro-ops1 + 16KBD per core, on chip  
Secondary Cache: 2 MB(I+D) per core, on chip  
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: SoundBlaster Live! PCI 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.crafty: -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 -Qunroll11 +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 1/2007:

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

The system bus runs at 1066 MHz