



# CINT2000 Result

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## Intel(R) Corporation

Intel(R) DG965WH motherboard( 3.4 GHz, Intel(R) Pentium(TM) D processor 950)

SPECint\_rate2000 = 38.7

SPECint\_rate\_base2000 = 38.7

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           | 120          | 27.1       | 2      | 120     | 27.1  |
| 175.vpr     | 2           | 123          | 26.5       | 2      | 121     | 26.7  |
| 176.gcc     | 2           | 56.4         | 45.3       | 2      | 56.4    | 45.3  |
| 181.mcf     | 2           | 98.9         | 42.2       | 2      | 98.9    | 42.2  |
| 186.crafty  | 2           | 78.2         | 29.7       | 2      | 78.7    | 29.5  |
| 197.parser  | 2           | 135          | 31.0       | 2      | 135     | 31.0  |
| 252.eon     | 2           | 56.4         | 53.5       | 2      | 56.6    | 53.2  |
| 253.perlbnk | 2           | 87.7         | 47.6       | 2      | 88.0    | 47.5  |
| 254.gap     | 2           | 59.0         | 43.3       | 2      | 59.0    | 43.3  |
| 255.vortex  | 2           | 63.5         | 69.5       | 2      | 63.5    | 69.5  |
| 256.bzip2   | 2           | 118          | 29.5       | 2      | 118     | 29.4  |
| 300.twolf   | 2           | 173          | 40.2       | 2      | 173     | 40.2  |

### Hardware

CPU: Intel(R) Pentium(TM) D processor 950( 3.4 GHz, 800 MHz bus)  
CPU MHz: 3400  
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 -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 1/2007:

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

The system bus runs at 1066 MHz