



# CINT2000 Result

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## Intel(R) Corporation

Intel(R) D945GPM motherboard( 3.8 GHz, Intel(R) Pentium(TM) 4 processor 670 )

SPECint2000 = 1822

SPECint\_base2000 = 1821

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	1000 2000 3000 4000			
164.gzip	1400	111	1263	111	1264	[Bar chart showing ratio]			
175.vpr	1400	113	1240	112	1255	[Bar chart showing ratio]			
176.gcc	1100	51.8	2122	51.8	2122	[Bar chart showing ratio]			
181.mcf	1800	90.7	1984	90.7	1984	[Bar chart showing ratio]			
186.crafty	1000	70.8	1413	71.3	1403	[Bar chart showing ratio]			
197.parser	1800	124	1447	124	1451	[Bar chart showing ratio]			
252.eon	1300	51.1	2544	51.3	2533	[Bar chart showing ratio]			
253.perlbmk	1800	80.7	2231	80.8	2229	[Bar chart showing ratio]			
254.gap	1100	52.9	2079	52.9	2079	[Bar chart showing ratio]			
255.vortex	1900	59.9	3172	59.9	3172	[Bar chart showing ratio]			
256.bzip2	1500	109	1374	109	1374	[Bar chart showing ratio]			
300.twolf	3000	156	1922	156	1922	[Bar chart showing ratio]			

### Hardware

CPU: Intel(R) Pentium(TM) 4 processor 670( 3.8 GHz, 800 MHz bus)  
CPU MHz: 3800  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology enabled)  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 12k micro-opsI + 16KBD per core, on chip  
Secondary Cache: 2MB(I+D) per chip, on chip  
L3 Cache: None  
Other Cache: None  
Memory: 2 GB (2 1GB Micron DDR2 667 CL5-5-5 DIMMs)  
Disk Subsystem: Maxtor DiamondMax 10 6B300S0 300GB NCQ Serial ATA (7200 RPM, 16MB cache)  
Other Hardware: ATI Radeon X850 XT 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 07/2006

<http://www.intel.com/products/motherboard/dg965wh/index.htm>

The system bus runs at 1066 MHz