



# CINT2000 Result

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## Intel Corporation

Intel D945GPM motherboard( 3.0 GHz, Intel (R) Pentium (TM) D processor 930)

SPECint2000 = 1478

SPECint\_base2000 = 1477

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	139	1005	137	1020	
175.vpr	1400	139	1009	138	1017	
176.gcc	1100	64.2	1715	64.2	1715	
181.mcf	1800	101	1785	101	1785	
186.crafty	1000	89.4	1119	90.2	1109	
197.parser	1800	154	1172	155	1164	
252.eon	1300	64.9	2002	64.9	2003	
253.perlbmk	1800	100	1795	101	1785	
254.gap	1100	65.6	1676	65.6	1676	
255.vortex	1900	72.0	2638	72.0	2638	
256.bzip2	1500	135	1113	135	1114	
300.twolf	3000	200	1500	199	1511	

### Hardware

CPU: Intel (R) Pentium (TM) D processor 930( 3.0 GHz, 800 MHz bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 12k micro-ops I + 16KBD on chip per core  
Secondary Cache: 2MB(I+D) on chip per core  
L3 Cache: N/A  
Other Cache: N/A  
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  
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, Delta Inc. power supply PS-300GB-1 B

Product description located as of 07/2006:

<http://www.intel.com/products/motherboard/d945gpm/index.htm>

The system bus runs at 800 MHz