



# CINT2000 Result

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## Intel(R) Corporation

Intel D945GPM motherboard( 3.0 GHz, Intel (R) Pentium (TM) 4 processor 631)

SPECint\_rate2000 = 18.8

SPECint\_rate\_base2000 = 18.8

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	217	15.0	2	217	15.0
175.vpr	2	267	12.2	2	260	12.5
176.gcc	2	107	23.7	2	107	23.7
181.mcf	2	209	20.0	2	209	20.0
186.crafty	2	178	13.0	2	178	13.0
197.parser	2	264	15.8	2	261	16.0
252.eon	2	122	24.8	2	122	24.7
253.perlbnk	2	215	19.4	2	210	19.9
254.gap	2	117	21.7	2	117	21.7
255.vortex	2	148	29.8	2	148	29.8
256.bzip2	2	210	16.6	2	210	16.5
300.twolf	2	337	20.6	2	338	20.6

### Hardware

CPU: Intel (R) Pentium (TM) 4 processor 631( 3.0 GHz, 800 MHz bus)  
CPU MHz: 3000  
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-ops I + 16KBD on chip  
Secondary Cache: 2MB(I+D) on chip  
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.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-80.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-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