



CINT2000 Result

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Intel(R) Corporation

Intel(R) D945GPM motherboard(3.6 GHz, Intel(R) Pentium(TM) D processor 960)

SPECint2000 = 1774

SPECint_base2000 = 1772

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	113	1239	113	1240	[Bar chart showing ratio]			
175.vpr	1400	117	1197	116	1212	[Bar chart showing ratio]			
176.gcc	1100	53.2	2066	53.2	2066	[Bar chart showing ratio]			
181.mcf	1800	90.0	1999	90.0	1999	[Bar chart showing ratio]			
186.crafty	1000	73.7	1358	74.0	1351	[Bar chart showing ratio]			
197.parser	1800	128	1407	127	1414	[Bar chart showing ratio]			
252.eon	1300	53.2	2446	53.3	2441	[Bar chart showing ratio]			
253.perlbmk	1800	83.0	2167	83.1	2166	[Bar chart showing ratio]			
254.gap	1100	54.6	2016	54.6	2016	[Bar chart showing ratio]			
255.vortex	1900	60.6	3136	60.6	3136	[Bar chart showing ratio]			
256.bzip2	1500	113	1327	113	1330	[Bar chart showing ratio]			
300.twolf	3000	164	1835	163	1840	[Bar chart showing ratio]			

Hardware

CPU: Intel(R) Pentium(TM) D processor 960(3.6 GHz, 800 MHz bus)
CPU MHz: 3600
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 32KBI + 32KBD per core
Secondary Cache: 4MB(I+D) shared, per 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 X1900 XTX 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.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO shlw32M.lib
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafy: -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.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 07/2006

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

The system bus runs at 1066 MHz