



CINT2000 Result

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Intel Corporation

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

SPECint_rate2000 = 31.3

SPECint_rate_base2000 = 31.3

SPEC license #: 13 Tested by: Intel 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	150	21.6	2	149	21.9
175.vpr	2	154	21.2	2	152	21.4
176.gcc	2	68.8	37.1	2	68.8	37.1
181.mcf	2	125	33.3	2	125	33.3
186.crafty	2	96.7	24.0	2	97.5	23.8
197.parser	2	167	25.0	2	167	25.0
252.eon	2	68.0	44.4	2	68.3	44.2
253.perlbnk	2	105	39.7	2	109	38.4
254.gap	2	72.9	35.0	2	72.9	35.0
255.vortex	2	79.0	55.8	2	79.0	55.8
256.bzip2	2	147	23.6	2	148	23.6
300.twolf	2	213	32.6	2	213	32.6

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, on chip
 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.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