



CINT2000 Result

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Intel(R) Corporation

Intel(R) DG965WH motherboard(2.93 GHz, Intel(R) Core(TM) 2 Extreme processor X6800)

SPECint_rate2000 = 64.3

SPECint_rate_base2000 = 64.2

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	80.2	40.5	2	78.4	41.4
175.vpr	2	71.6	45.4	2	70.3	46.2
176.gcc	2	35.6	71.6	2	35.6	71.6
181.mcf	2	66.5	62.8	2	66.5	62.8
186.crafty	2	37.3	62.2	2	37.4	62.0
197.parser	2	84.9	49.2	2	84.9	49.2
252.eon	2	34.4	87.7	2	34.4	87.7
253.perlbnk	2	51.4	81.2	2	51.8	80.6
254.gap	2	38.7	66.0	2	38.7	66.0
255.vortex	2	40.1	110	2	40.1	110
256.bzip2	2	70.8	49.2	2	71.6	48.6
300.twolf	2	90.8	76.6	2	90.8	76.7

Hardware

CPU: Intel(R) Core(TM) 2 Extreme processor X6800(2.93 GHz, 1066 MHz bus)
CPU MHz: 2933
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 Corsair TWIN2X2048-8500C5 DDR2 1066 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.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.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.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

Bios memory timings set to DDR2-800 5-5-5-15 manually