



CINT2000 Result

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Intel(R) Corporation

Intel(R) D945GPM motherboard(3.8 GHz, Intel(R) Pentium(TM) 4 processor 670)

SPECint_rate2000 = 23.3

SPECint_rate_base2000 = 23.2

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	171	19.0	2	172	18.9
175.vpr	2	218	14.9	2	213	15.3
176.gcc	2	85.9	29.7	2	85.9	29.7
181.mcf	2	192	21.7	2	192	21.7
186.crafty	2	138	16.9	2	138	16.8
197.parser	2	211	19.8	2	209	20.0
252.eon	2	95.4	31.6	2	95.6	31.6
253.perlbnk	2	172	24.3	2	172	24.3
254.gap	2	94.2	27.1	2	94.2	27.1
255.vortex	2	120	36.9	2	120	36.9
256.bzip2	2	173	20.1	2	173	20.1
300.twolf	2	266	26.2	2	265	26.3

Hardware

CPU: Intel(R) Pentium(TM) 4 processor 670(3.8 GHz, 800 MHz bus)
CPU MHz: 3800
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-opsI + 16KBD per core, on chip
Secondary Cache: 2MB(I+D) per chip, on 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 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 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-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, 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