



CINT2000 Result

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Intel Corporation

Intel D850GB motherboard (2.0 GHz, Pentium 4 processor)

SPECint2000 = 656

SPECint_base2000 = 640

SPEC license #: 13 Tested by: Intel Corporation Test date: Aug-2001 Hardware Avail: Aug-2001 Software Avail: Jun-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	197	712	195	718	
175.vpr	1400	412	340	385	364	
176.gcc	1100	164	672	164	671	
181.mcf	1800	351	513	351	513	
186.crafty	1000	156	642	155	644	
197.parser	1800	304	593	304	592	
252.eon	1300	142	913	122	1067	
253.perlbmk	1800	195	923	195	923	
254.gap	1100	123	895	121	907	
255.vortex	1900	218	871	209	908	
256.bzip2	1500	289	519	287	523	
300.twolf	3000	683	439	683	439	

Hardware

CPU: Pentium 4 processor (2.0 GHz, 400 MHz bus)
 CPU MHz: 2000
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 CPU(s) orderable: 1
 Parallel: No
 Primary Cache: 12k micro-ops I + 8KBD on chip
 Secondary Cache: 256KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 256 MB (2 128 MB PC800 RDRAM non-ECC modules)
 Disk Subsystem: IBM DTLA-307030 ATA-100
 Other Hardware: None

Software

Operating System: Windows 2000(Build 2195, SP2)
 Compiler: Intel C++ Compiler 5.0.1 Build 010525Z
 Microsoft Visual C++ 6.0 SP5(for libraries)
 MicroQuill SmartHeap library V6.0
 File System: FAT32
 System State: Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -QxW -Qipo shlw32M.lib +FDO
Base tuning for C++ programs: -QxW -Qipo -GX -GR
shlw32M.lib is the SmartHeap library V6.0 from MicroQuill www.microquill.com
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
164.gzip: -QxW -Qipo -Oa shlw32M.lib +FDO
175.vpr: -QxW -Qwp_ipo +FDO
176.gcc: -QxW -Qipo shlw32M.lib +FDO
181.mcf: -QxW -Qipo shlw32M.lib +FDO
186.crafty: -QxW -Qipo -Oa shlw32M.lib +FDO
197.parser: -QxW -Qipo shlw32M.lib +FDO
252.eon: -QxW -Qipo +FDO
253.perlbmk: -QxW -Qipo shlw32M.lib +FDO
254.gap: -QxW -Qipo +FDO
255.vortex -QxW -Qwp_ipo -Oa shlw32M.lib +FDO
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Notes/Tuning Information (Continued)

256.bzip2: -QxW -Qipo -Oa +FDO

300.twolf: -QxW -Qipo shlw32M.lib +FDO

Tested systems can be used with Shin-G ATX case, Delta Inc. power supply PS-300GB-1 B

Product description located as of 11/2000:

http://developer.intel.com/design/motherbd/gb/gb_ds.htm

Motherboard is available through Intel OEM Distribution Channel. See

<http://channel.intel.com/business/ibp/boards/d850gb.htm> for more information

The system bus runs at 400 MHz