



CINT2000 Result

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Intel Corporation

Intel D850GB motherboard(1.3 GHz, Pentium 4 processor)

SPECint2000 = 483

SPECint_base2000 = 473

SPEC license #: 13 Tested by: Intel Corporation Test date: Dec-2000 Hardware Avail: Jan-2001 Software Avail: Oct-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	288	486	288	485	
175.vpr	1400	507	276	507	276	
176.gcc	1100	202	545	201	548	
181.mcf	1800	395	456	392	459	
186.crafty	1000	230	434	231	432	
197.parser	1800	424	424	424	424	
252.eon	1300	231	563	191	679	
253.perlbmk	1800	293	615	294	612	
254.gap	1100	175	630	174	631	
255.vortex	1900	289	658	277	686	
256.bzip2	1500	393	381	387	388	
300.twolf	3000	800	375	802	374	

Hardware

CPU: Pentium 4 processor (1.3 GHz, 400 MHz bus)
 CPU MHz: 1300
 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
 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: Creative Labs Annihilator 2

Software

Operating System: Windows 2000 (Build 2195) Service Pack 1
 Compiler: Intel C/C++ Compiler 5.0,
 Microsoft Visual C++ 6.0(for libraries)
 Other software: Microquill SmartHeap V5.0
 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 V5.0 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, 175.vpr, 176.gcc, 181.mcf, 186.crafty, 197.parser
 253.perlbmk, 254.gap, 300.twolf:
 -QxW -Qipo +FDO shlw32M.lib
 255.vortex, 256.bzip2:
 -QxW -Qipo +FDO -Oa shlw32M.lib
 252.eon:
 -QxW -Qipo +FDO
 Tested systems can be used with Shin-G ATX case, Delta Inc. power supply
 Product description located as of 11/2000:
http://developer.intel.com/design/motherbd/gb/gb_ds.htm



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Notes/Tuning Information (Continued)

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