



CINT2000 Result

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Intel Corporation

Intel D850MD motherboard (1.8 GHz, Pentium 4 processor)

SPECint2000 = 612

SPECint_base2000 = 601

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	214	654	212	660	
175.vpr	1400	403	348	402	348	
176.gcc	1100	171	642	171	643	
181.mcf	1800	357	505	357	505	
186.crafty	1000	172	581	171	584	
197.parser	1800	313	574	313	575	
252.eon	1300	158	825	135	963	
253.perlbmk	1800	242	745	242	744	
254.gap	1100	132	834	132	834	
255.vortex	1900	202	942	198	958	
256.bzip2	1500	308	487	303	496	
300.twolf	3000	775	387	773	388	

Hardware

CPU: Pentium 4 processor (1.8 GHz, 400 MHz bus)
 CPU MHz: 1800
 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 XP Professional(Build 2600)
 Compiler: Intel C++ Compiler 5.0.1 Build 010525Z
 Microsoft Visual C++ 6.0 SP5(for libraries)
 File System: FAT32
 System State: Default

Notes/Tuning Information

+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

Base tuning for C programs: -QxW -Qipo +FDO

Base tuning for C++ programs: -QxW -Qipo -GX -GR

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 +FDO

175.vpr: -QxW -Qwp_ipo +FDO

176.gcc: -QxW -Qipo +FDO

181.mcf: -QxW -Qipo +FDO

186.crafty: -QxW -Qipo -Oa +FDO

197.parser: -QxW -Qipo +FDO

252.eon: -QxW -Qipo +FDO

253.perlbmk: -QxW -Qipo +FDO

254.gap: -QxW -Qipo +FDO

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

Product description located as of 1/2002:

Standard Performance Evaluation Corporation

info@spec.org

http://www.spec.org



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Notes/Tuning Information (Continued)

<http://developer.intel.com/design/motherbd/md/index.htm>

Motherboard ordering information is available at:

<http://program.intel.com/shared/products/boards/D850MD/index.htm>

The system bus runs at 400 MHz