



CINT2000 Result

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Intel Corporation

Intel D850EMV2 motherboard (2.8 GHz, Pentium 4 processor)

SPECint2000 = 984

SPECint_base2000 = 976

SPEC license #: 13 Tested by: Intel Corporation Test date: Jun-2002 Hardware Avail: Aug-2002 Software Avail: Apr-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	123	1135	123	1137	
175.vpr	1400	237	590	238	589	
176.gcc	1100	95.3	1154	95.0	1158	
181.mcf	1800	284	634	284	634	
186.crafty	1000	94.1	1063	94.9	1053	
197.parser	1800	189	951	189	951	
252.eon	1300	107	1213	97.5	1333	
253.perlbmk	1800	143	1255	143	1255	
254.gap	1100	84.3	1305	84.3	1305	
255.vortex	1900	118	1606	118	1607	
256.bzip2	1500	196	764	196	764	
300.twolf	3000	485	618	484	620	

Hardware

CPU: Pentium 4 processor (2.8 GHz, 533 MHz bus)
 CPU MHz: 2800
 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: 512KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 256 MB (2 128 MB PC800-40 RDRAM non-ECC modules)
 Disk Subsystem: IBM 120GXP 80 GB IC35L080AVVA07-0 ATA-100
 Other Hardware: None

Software

Operating System: Windows XP Professional(Build 2600)
 Compiler: Intel C++ Compiler 6.0 Build 020321Z
 Intel Fortran Compiler 6.0 Build 020321Z
 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 -O3 +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 -O3 +FDO

175.vpr: -QxW -Qwp_ipo -O3 +FDO

176.gcc: -QxW -Qipo -O3 +FDO

181.mcf: -QxW -Qipo -O3 +FDO

186.crafty: -QxW -Qipo -Oa -O3 +FDO

197.parser: -QxW -Qipo -O3 +FDO

252.eon: -QxW -Qipo -O3 +FDO

253.perlbmk: -QxW -Qipo -O3 +FDO

254.gap: -QxW -Qipo -O3 +FDO

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

Product description located as of 8/2002:

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/mv2/index.htm>

Motherboard ordering information is available at:

<http://program.intel.com/shared/products/boards/d850emv2/index.htm>

The system bus runs at 533 MHz