



CINT2000 Result

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Intel Corporation

Intel D850EMV2 motherboard (1.6 GHz, Pentium 4 processor)

SPECint2000 = 588

SPECint_base2000 = 584

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	223	628	220	638	
175.vpr	1400	393	357	391	358	
176.gcc	1100	160	688	160	687	
181.mcf	1800	356	505	356	506	
186.crafty	1000	169	593	169	591	
197.parser	1800	338	533	338	532	
252.eon	1300	190	682	177	734	
253.perlbmk	1800	251	716	251	717	
254.gap	1100	140	786	140	786	
255.vortex	1900	202	943	203	936	
256.bzip2	1500	318	471	317	473	
300.twolf	3000	798	376	799	376	

Hardware

CPU: Pentium 4 processor (1.6 GHz, 400 MHz bus)
 CPU MHz: 1600
 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 PC800-40 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:



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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 400 MHz