



CINT2000 Result

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Intel Corporation

Intel D850EMVR motherboard (2.26 GHz, Pentium 4 processor)

SPECint2000 = 888

SPECint_base2000 = 884

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	148	943	148	945	
175.vpr	1400	245	572	245	572	
176.gcc	1100	102	1074	102	1074	
181.mcf	1800	251	716	252	715	
186.crafty	1000	114	880	115	872	
197.parser	1800	214	841	214	840	
252.eon	1300	135	966	125	1037	
253.perlbmk	1800	174	1037	174	1037	
254.gap	1100	96.5	1140	96.5	1140	
255.vortex	1900	128	1481	129	1473	
256.bzip2	1500	211	712	210	715	
300.twolf	3000	489	614	488	615	

Hardware

CPU: Pentium 4 processor (2.26 GHz, 533 MHz bus)
CPU MHz: 2266
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 PC1066-32 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 10/2002:



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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 533 MHz