



CINT2000 Result

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Intel Corporation

Intel D850EMV2 motherboard (2.4 GHz, Pentium 4 processor)

SPECint2000 = 882

SPECint_base2000 = 878

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	500 1000 1500 2000			
164.gzip	1400	141	993	141	995	[Bar chart showing ratio]			
175.vpr	1400	256	547	256	546	[Bar chart showing ratio]			
176.gcc	1100	103	1064	104	1060	[Bar chart showing ratio]			
181.mcf	1800	293	614	293	614	[Bar chart showing ratio]			
186.crafty	1000	108	922	109	915	[Bar chart showing ratio]			
197.parser	1800	213	843	214	843	[Bar chart showing ratio]			
252.eon	1300	127	1023	118	1099	[Bar chart showing ratio]			
253.perlbmk	1800	166	1084	166	1083	[Bar chart showing ratio]			
254.gap	1100	95.8	1148	95.9	1147	[Bar chart showing ratio]			
255.vortex	1900	128	1485	129	1475	[Bar chart showing ratio]			
256.bzip2	1500	216	694	216	696	[Bar chart showing ratio]			
300.twolf	3000	519	578	520	577	[Bar chart showing ratio]			

Hardware

CPU: Pentium 4 processor (2.4 GHz, 533 MHz bus)
CPU MHz: 2400
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:



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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