



# CINT2000 Result

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## Intel Corporation

Intel D850EMV2 motherboard (2.26 GHz, Pentium 4 processor)

SPECint2000 = 847

SPECint\_base2000 = 843

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	149	941	148	943	
175.vpr	1400	264	530	264	529	
176.gcc	1100	107	1030	107	1033	
181.mcf	1800	296	607	296	608	
186.crafty	1000	114	873	116	864	
197.parser	1800	223	808	223	808	
252.eon	1300	134	967	125	1038	
253.perlbmk	1800	175	1027	175	1026	
254.gap	1100	100	1098	100	1098	
255.vortex	1900	133	1424	134	1413	
256.bzip2	1500	224	669	224	670	
300.twolf	3000	534	562	533	563	

### Hardware

CPU: Pentium 4 processor (2.26 GHz, 533 MHz bus)  
CPU MHz: 2267  
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