



# CINT2000 Result

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## Intel Corporation

Intel D850EMV2 motherboard (1.8 GHz, Pentium 4 processor)

SPECint2000 = 638

SPECint\_base2000 = 633

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	204	688	193	727	
175.vpr	1400	369	379	369	379	
176.gcc	1100	150	733	150	731	
181.mcf	1800	348	517	347	519	
186.crafty	1000	150	665	152	657	
197.parser	1800	311	578	312	577	
252.eon	1300	169	768	158	825	
253.perlbmk	1800	225	799	226	798	
254.gap	1100	128	861	128	862	
255.vortex	1900	186	1019	188	1013	
256.bzip2	1500	295	508	295	509	
300.twolf	3000	759	395	760	394	

### Hardware

CPU: Pentium 4 processor (1.8 GHz, 400 MHz bus)  
CPU MHz: 1800  
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:

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 400 MHz