



# CINT2000 Result

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## Intel Corporation

Intel D850EMV2 motherboard (2.53 GHz, Pentium 4 processor)

SPECint2000 = 896

SPECint\_base2000 = 882

SPEC license #: 13 Tested by: Intel Corporation Test date: Apr-2002 Hardware Avail: May-2002 Software Avail: Oct-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	145	965	145	966	
175.vpr	1400	264	531	264	531	
176.gcc	1100	106	1037	106	1038	
181.mcf	1800	291	619	291	619	
186.crafty	1000	117	856	116	863	
197.parser	1800	202	889	203	888	
252.eon	1300	111	1176	96.6	1346	
253.perlbmk	1800	167	1076	167	1076	
254.gap	1100	94.0	1170	94.0	1170	
255.vortex	1900	133	1429	131	1454	
256.bzip2	1500	214	702	210	715	
300.twolf	3000	502	598	502	598	

### Hardware

CPU: Pentium 4 processor (2.53 GHz, 533 MHz bus)  
CPU MHz: 2533  
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 RDRAM non-ECC modules)  
Disk Subsystem: IBM DTLA-307030 ATA-100  
Other Hardware: None

### Software

Operating System: Windows XP Professional(Build 2600)  
Compiler: Intel C++ Compiler 5.0.1 Build 010525Z  
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 +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 +FDO

175.vpr: -QxW -Qwp\_ipo +FDO

176.gcc: -QxW -Qipo +FDO

181.mcf: -QxW -Qipo +FDO

186.crafty: -QxW -Qipo -Oa +FDO

197.parser: -QxW -Qipo +FDO

252.eon: -QxW -Qipo +FDO

253.perlbmk: -QxW -Qipo +FDO

254.gap: -QxW -Qipo +FDO

Tested systems can be used with Shin-G ATX case, Delta Inc. power supply PS-300GB-1 B

Product description located as of 5/2002:

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