



# CINT2000 Result

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## Intel Corporation

Intel D850MD motherboard (1.6 GHz, Pentium 4 processor)

SPECint2000 = 565

SPECint\_base2000 = 557

SPEC license #: 13 Tested by: Intel Corporation Test date: Nov-2001 Hardware Avail: Aug-2001 Software Avail: Oct-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	236	593	240	584	
175.vpr	1400	427	328	427	328	
176.gcc	1100	181	608	181	609	
181.mcf	1800	366	492	367	490	
186.crafty	1000	191	524	191	523	
197.parser	1800	339	531	339	531	
252.eon	1300	177	734	152	856	
253.perlbmk	1800	267	673	267	673	
254.gap	1100	145	760	145	760	
255.vortex	1900	218	871	213	893	
256.bzip2	1500	331	453	325	461	
300.twolf	3000	811	370	812	370	

### Hardware

CPU: Pentium 4 processor (1.6 GHz, 400 MHz bus)  
 CPU MHz: 1600  
 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 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 1/2002:

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/md/index.htm>

Motherboard ordering information is available at:

<http://program.intel.com/shared/products/boards/D850MD/index.htm>

The system bus runs at 400 MHz