



CINT2000 Result

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Intel Corporation

Intel D850GB motherboard (1.6 GHz, Pentium 4 processor)

SPECint2000 = 565

SPECint_base2000 = 551

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	239	585	241	582	
175.vpr	1400	455	307	428	327	
176.gcc	1100	183	601	182	603	
181.mcf	1800	367	491	366	492	
186.crafty	1000	191	524	191	523	
197.parser	1800	352	511	353	510	
252.eon	1300	178	730	152	853	
253.perlbmk	1800	238	755	239	752	
254.gap	1100	146	753	144	764	
255.vortex	1900	255	745	243	781	
256.bzip2	1500	331	453	327	459	
300.twolf	3000	754	398	753	399	

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 2000(Build 2195, SP2)
Compiler: Intel C++ Compiler 5.0.1 Build 010525Z
Microsoft Visual C++ 6.0 SP5(for libraries)
MicroQuill SmartHeap library V6.0
File System: FAT32
System State: Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -QxW -Qipo shlw32M.lib +FDO
Base tuning for C++ programs: -QxW -Qipo -GX -GR
shlw32M.lib is the SmartHeap library V6.0 from MicroQuill www.microquill.com
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 shlw32M.lib +FDO
175.vpr: -QxW -Qwp_ipo +FDO
176.gcc: -QxW -Qipo shlw32M.lib +FDO
181.mcf: -QxW -Qipo shlw32M.lib +FDO
186.crafty: -QxW -Qipo -Oa shlw32M.lib +FDO
197.parser: -QxW -Qipo shlw32M.lib +FDO
252.eon: -QxW -Qipo +FDO
253.perlbmk: -QxW -Qipo shlw32M.lib +FDO
254.gap: -QxW -Qipo +FDO
255.vortex -QxW -Qwp_ipo -Oa shlw32M.lib +FDO
```



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Notes/Tuning Information (Continued)

256.bzip2: -QxW -Qipo -Oa +FDO

300.twolf: -QxW -Qipo shlw32M.lib +FDO

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

Product description located as of 11/2000:

http://developer.intel.com/design/motherbd/gb/gb_ds.htm

Motherboard is available through Intel OEM Distribution Channel. See

<http://channel.intel.com/business/ibp/boards/d850gb.htm> for more information

The system bus runs at 400 MHz