



CINT2000 Result

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Intel Corporation

Intel D850GB motherboard (1.4 GHz, Pentium 4 processor)

SPECint2000 = 512

SPECint_base2000 = 498

SPEC license #: 13 Tested by: Intel Corporation Test date: Aug-2001 Hardware Avail: Nov-2000 Software Avail: Jun-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	200 400 600 800			
164.gzip	1400	274	511	273	513	[Bar chart showing ratio 513]			
175.vpr	1400	490	286	462	303	[Bar chart showing ratio 303]			
176.gcc	1100	196	560	197	558	[Bar chart showing ratio 558]			
181.mcf	1800	379	475	379	475	[Bar chart showing ratio 475]			
186.crafty	1000	224	446	217	461	[Bar chart showing ratio 461]			
197.parser	1800	389	463	389	463	[Bar chart showing ratio 463]			
252.eon	1300	204	638	174	745	[Bar chart showing ratio 745]			
253.perlbnk	1800	270	666	270	666	[Bar chart showing ratio 666]			
254.gap	1100	163	675	161	685	[Bar chart showing ratio 685]			
255.vortex	1900	286	664	271	701	[Bar chart showing ratio 701]			
256.bzip2	1500	361	416	357	421	[Bar chart showing ratio 421]			
300.twolf	3000	808	371	808	371	[Bar chart showing ratio 371]			

Hardware

CPU: Pentium 4 processor (1.4 GHz, 400 MHz bus)
CPU MHz: 1400
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.perlbnk: -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.perlbnk: -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