



CINT2000 Result

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Intel Corporation

Intel D850GB motherboard(1.4 GHz, Pentium 4 processor)

SPECint2000 = 512

SPECint_base2000 = 502

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	200 400 600 800			
164.gzip	1400	272	515	270	518	[Bar chart showing ratio 518]			
175.vpr	1400	483	290	485	289	[Bar chart showing ratio 289]			
176.gcc	1100	192	573	192	573	[Bar chart showing ratio 573]			
181.mcf	1800	381	473	378	476	[Bar chart showing ratio 476]			
186.crafty	1000	215	465	215	466	[Bar chart showing ratio 466]			
197.parser	1800	399	451	399	451	[Bar chart showing ratio 451]			
252.eon	1300	214	608	177	733	[Bar chart showing ratio 733]			
253.perlbnk	1800	273	660	273	660	[Bar chart showing ratio 660]			
254.gap	1100	164	673	163	674	[Bar chart showing ratio 674]			
255.vortex	1900	272	699	264	719	[Bar chart showing ratio 719]			
256.bzip2	1500	372	403	367	409	[Bar chart showing ratio 409]			
300.twolf	3000	762	394	761	394	[Bar chart showing ratio 394]			

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 + 8KB D
Secondary Cache: 256KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 256MB (2 128MB PC800 RDRAM non-ECC modules)
Disk Subsystem: IBM DTLA-307030 ATA-100
Other Hardware: Creative Labs Annihilator 2

Software

Operating System: Windows 2000(Build 2195)
Compiler: Intel C/C++ Compiler 5.0,
Microsoft Visual C++ 6.0 (for libraries),
Other software: Microquill SmartHeap V5.0
File System: FAT32
System State: Default

Notes/Tuning Information

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+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 V5.0 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, 175.vpr, 176.gcc, 181.mcf, 186.crafty, 197.parser
253.perlbnk, 254.gap, 300.twolf:
-QxW -Qipo +FDO shlw32M.lib
255.vortex, 256.bzip2:
-QxW -Qipo +FDO -Oa shlw32M.lib
252.eon:
-QxW -Qipo +FDO
Tested systems can be used with Shin-G ATX case, Delta Inc. power supply
Product description located as of 11/2000:
http://developer.intel.com/design/motherbd/gb/gb_ds.htm
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Notes/Tuning Information (Continued)

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