CINT2000 Result

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Intel Corporation

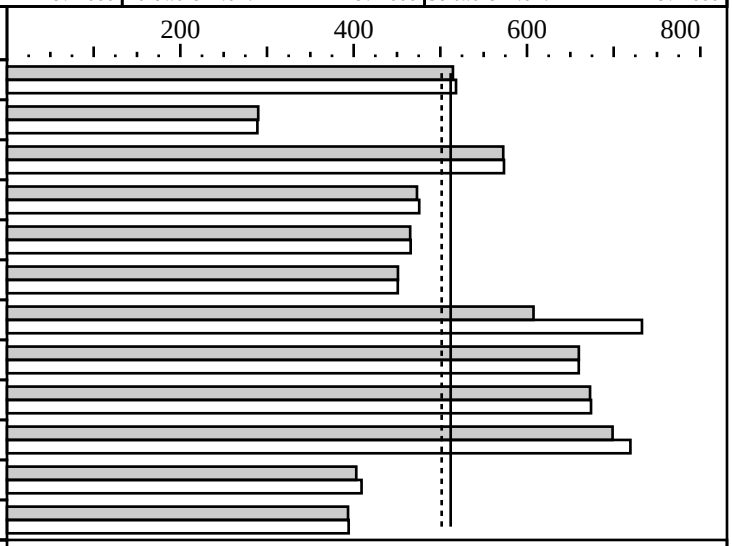
Intel D850GB motherboard(1.4 GHz, Pentium 4 processor)

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
164.gzip	1400	272	515	270	518
175.vpr	1400	483	290	485	289
176.gcc	1100	192	573	192	573
181.mcf	1800	381	473	378	476
186.crafty	1000	215	465	215	466
197.parser	1800	399	451	399	451
252.eon	1300	214	608	177	733
253.perlbmk	1800	273	660	273	660
254.gap	1100	164	673	163	674
255.vortex	1900	272	699	264	719
256.bzip2	1500	372	403	367	409
300.twolf	3000	762	394	761	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 Annihalator 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.crafy: -DNT_i386
253.perlbmk: -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.perlbmk, 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