CINT2000 Result

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Intel Corporation

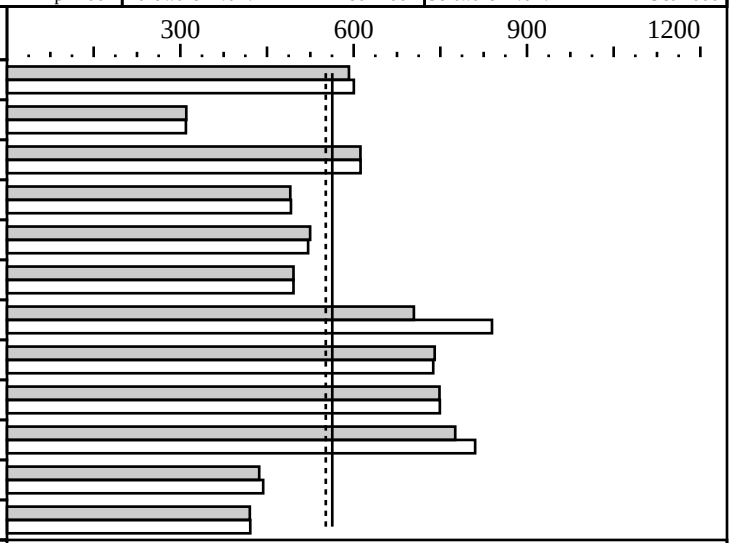
Intel D850GB motherboard(1.6 GHz, Pentium 4 processor)

SPECint2000 = 563

SPECint_base2000 = 552

SPEC license #: 13 | Tested by: Intel Corporation | Test date: Apr-2001 | Hardware Avail: Jul-2001 | Software Avail: Oct-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	237	592	233	600
175.vpr	1400	451	310	452	310
176.gcc	1100	180	612	180	612
181.mcf	1800	367	490	366	491
186.crafty	1000	191	525	192	521
197.parser	1800	363	496	363	496
252.eon	1300	185	704	155	839
253.perlbmk	1800	243	740	244	738
254.gap	1100	147	749	147	749
255.vortex	1900	245	776	234	810
256.bzip2	1500	344	437	338	443
300.twolf	3000	714	420	713	421



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
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) Service Pack 1
Compiler:	Intel C/C++ Compiler 5.0 Build 001120, Microsoft Visual C++ 6.0(for libraries) Other software: Microquill SmartHeap V5.0
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 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 PS-300GB-1 B
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