CINT2000 Result

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Intel Corporation

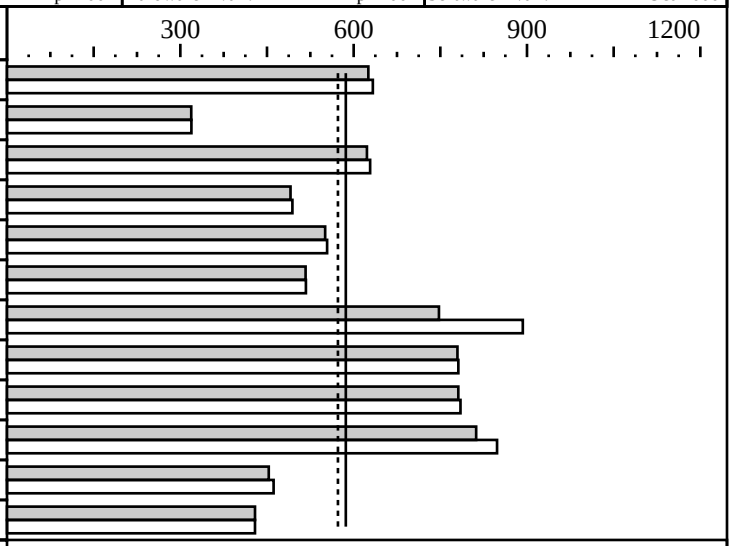
Intel D850GB motherboard(1.7 GHz, Pentium 4 processor)

SPECint2000 = 586

SPECint_base2000 = 573

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	224	625	221	633
175.vpr	1400	439	319	439	319
176.gcc	1100	177	623	175	628
181.mcf	1800	367	491	364	494
186.crafty	1000	182	551	180	554
197.parser	1800	348	517	348	517
252.eon	1300	174	748	146	893
253.perlbmk	1800	231	780	230	781
254.gap	1100	141	781	140	785
255.vortex	1900	234	812	224	848
256.bzip2	1500	331	453	325	461
300.twolf	3000	699	429	699	429



Hardware

CPU:	Pentium 4 processor (1.7 GHz, 400 MHz bus)
CPU MHz:	1700
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:	Creative Labs Annihalator 2

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
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