CINT2000 Result

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Intel Corporation

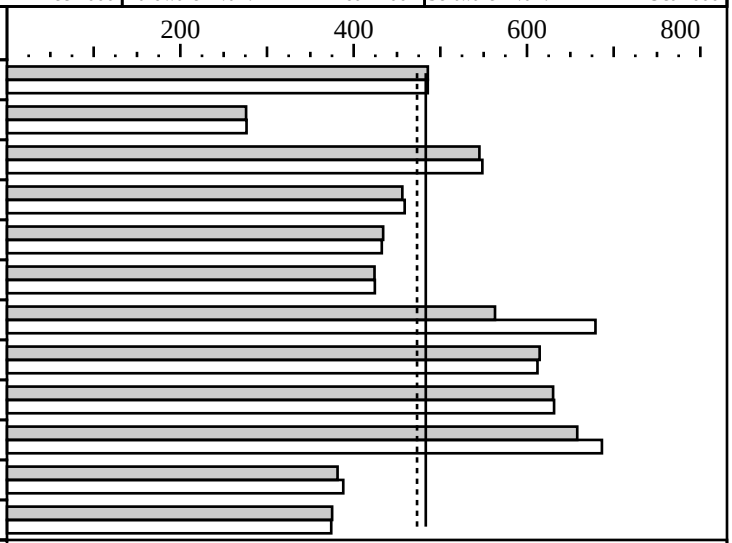
Intel D850GB motherboard(1.3 GHz, Pentium 4 processor)

SPECint2000 = 483

SPECint_base2000 = 473

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	288	486	288	485
175.vpr	1400	507	276	507	276
176.gcc	1100	202	545	201	548
181.mcf	1800	395	456	392	459
186.crafty	1000	230	434	231	432
197.parser	1800	424	424	424	424
252.eon	1300	231	563	191	679
253.perlbmk	1800	293	615	294	612
254.gap	1100	175	630	174	631
255.vortex	1900	289	658	277	686
256.bzip2	1500	393	381	387	388
300.twolf	3000	800	375	802	374



Hardware

CPU:	Pentium 4 processor (1.3 GHz, 400 MHz bus)
CPU MHz:	1300
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, 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