



CINT2000 Result

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Intel Corporation

Intel D875PBZ motherboard (3.2 GHz, Pentium 4 processor with Hyper-Threading Technology)

SPECint2000 = 1330

SPECint_base2000 = 1287

SPEC license #: 13 Tested by: Intel Corporation Test date: Sep-2003 Hardware Avail: Jun-2003 Software Avail: Dec-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	105	1338	105	1339	
175.vpr	1400	180	779	180	780	
176.gcc	1100	70.5	1559	70.6	1558	
181.mcf	1800	177	1019	177	1018	
186.crafty	1000	82.9	1206	82.9	1207	
197.parser	1800	149	1207	149	1207	
252.eon	1300	77.3	1682	67.9	1914	
253.perlbmk	1800	126	1426	114	1577	
254.gap	1100	65.2	1687	65.2	1687	
255.vortex	1900	81.1	2343	81.1	2343	
256.bzip2	1500	156	964	151	995	
300.twolf	3000	320	936	280	1071	

Hardware

CPU: Intel Pentium 4 Processor with Hyper-Threading Technology(3.2 GHz, 800 MHz bus)
CPU MHz: 3200
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology enabled)
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12k micro-ops I + 8KBD on chip
Secondary Cache: 512KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 512 MB (4 128 MB PC3200 Samsung CL3-3-3)
Disk Subsystem: IBM 120GXP 80 GB IC35L080AVVA07-0 ATA-100
Other Hardware: None

Software

Operating System: Windows XP Professional Service Pack 1a
Compiler: Intel C++ Compiler 8.0
Microsoft Visual Studio .Net 7.0(for libraries)
MicroQuill SmartHeap library V6.0
File System: FAT32
System State: Default

Notes/Tuning Information

```
ONESTEP=yes +FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -QxN -Qipo -O3 +FDO
Base tuning for C++ programs: -QxN -Qipo -GX -GR
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
164.gzip: -QxN -Qipo -Oa -O3 +FDO
175.vpr: -QxN -Qipo -O3 +FDO
176.gcc: -QxN -Qipo -O3 +FDO
181.mcf: -QxN -Qipo -O3 +FDO
186.crafty: -QxN -Qipo -Oa -O3 +FDO
197.parser: -QxN -Qipo -O3 +FDO
252.eon: -QxN -Qipo -O3 +FDO
253.perlbmk: -QxN -Qipo -O3 +FDO shlw32M.lib
254.gap: basepeak=yes
255.vortex: basepeak=yes
256.bzip2: -Qipo -Oa -Qunroll1 +FDO
```



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Notes/Tuning Information (Continued)

300.twolf: -QxN -Qipo -O3 +FDO shlw32M.lib

Tested systems can be used with Shin-G ATX case, Delta Inc. power supply PS-300GB-1
Product description located as of 9/2003:

<http://developer.intel.com/design/motherbd/bz/index.htm>

Motherboard is available through Intel OEM Distribution Channel. See

http://www.intel.com/cd/channel/reseller/asm-na/eng/products/box_desktop_boards/p4_boards/p4_dsk_board_d875pbz/index.htm

The system bus runs at 800 MHz

shlw32M.lib is the SmartHeap library V6.0 from <http://www.microquill.com/smartheap/index.html>