



CINT2000 Result

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Intel Corporation

Intel D875PBZ motherboard (3.0 GHz, Pentium 4 processor with Hyper-Threading Technology)

SPECint2000 = 1200

SPECint_base2000 = 1164

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	119	1181	118	1186	
175.vpr	1400	187	747	188	746	
176.gcc	1100	75.5	1458	75.8	1452	
181.mcf	1800	203	889	202	889	
186.crafty	1000	88.0	1137	88.9	1125	
197.parser	1800	162	1109	162	1109	
252.eon	1300	97.6	1332	83.9	1549	
253.perlbmk	1800	134	1341	122	1471	
254.gap	1100	68.6	1603	68.6	1603	
255.vortex	1900	98.6	1926	98.6	1926	
256.bzip2	1500	167	899	167	899	
300.twolf	3000	348	862	304	985	

Hardware

CPU: Intel Pentium 4 Processor with Hyper-Threading Technology(3.0 GHz, 800 MHz bus)
CPU MHz: 3000
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(Build 2600) SP1
Compiler: Intel C++ Compiler 7.1 Build 030307Z
Microsoft Visual Studio .Net 7.0.9466(for libraries)
SmartHeap library V6.0 <http://www.microquill.com/>
File System: FAT32
System State: Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -QxW -Qipo -O3 +FDO
Base tuning for C++ programs: -QxW -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: -QxW -Qipo -Oa -O3 +FDO
175.vpr: -QxW -Qipo -O3 +FDO
176.gcc: -QxW -Qipo -O3 +FDO
181.mcf: -QxW -Qipo -O3 +FDO
186.crafty: -QxW -Qipo -Oa -O3 +FDO
197.parser: -QxW -Qipo -O3 +FDO
252.eon: -QxW -Qipo -O3 +FDO
253.perlbmk: -QxW -Qipo -O3 +FDO shlW32M.lib
254.gap: basepeak=yes
255.vortex: basepeak=yes
256.bzip2: -QxW -Qipo -Oa -O3 +FDO shlW32M.lib
```



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Notes/Tuning Information (Continued)

300.twolf: -QxW -Qipo -O3 +FDO shlw32M.lib
Tested systems can be used with Shin-G ATX case, Delta Inc. power supply PS-300GB-1 B
Product description located as of 4/2003:
<http://developer.intel.com/design/motherbd/bz/index.htm>
Motherboard ordering information is available at:
<http://program.intel.com/shared/products/boards/d875pbz/index.htm>
The system bus runs at 800 MHz