



# CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

## Intel Corporation

Intel D875PBZ motherboard (AA-301) (3.0E GHz, Pentium 4 Processor with Hyper-Threading Technology)

SPECint2000 = 1345

SPECint\_base2000 = 1292

SPEC license #: 13 Tested by: Intel Corporation Test date: Jan-2004 Hardware Avail: Feb-2004 Software Avail: Dec-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	140	1000	140	1000	
175.vpr	1400	155	902	155	901	
176.gcc	1100	67.7	1626	67.5	1629	
181.mcf	1800	149	1210	149	1211	
186.crafty	1000	89.9	1112	90.0	1112	
197.parser	1800	153	1176	153	1176	
252.eon	1300	88.8	1465	74.5	1745	
253.perlbmk	1800	127	1422	114	1582	
254.gap	1100	68.0	1617	68.1	1615	
255.vortex	1900	82.2	2312	82.2	2312	
256.bzip2	1500	154	973	150	1000	
300.twolf	3000	245	1226	205	1461	

### Hardware

CPU: Intel Pentium 4 Processor with Hyper-Threading Technology(3.0E 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 + 16KBD on chip  
Secondary Cache: 1MB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 1 GB(2 512MB PC3200 Samsung Double-sided CL3-3-3 DIMMs)  
Disk Subsystem: Seagate ST3160023AS 160 GB Serial ATA (7200 RPM, 8MB cache)  
Other Hardware: None

### Software

Operating System: Windows XP Professional Service Pack 1a  
Compiler: Intel C++ Compiler 8.0 Build 20031017Z  
Microsoft Visual Studio .Net 7.0(for libraries)  
MicroQuill SmartHeap library V6.0  
File System: NTFS  
System State: Default

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use (-QxP not used in PASS1)
Base tuning for C programs: -QxP -fast -Qansi_alias +FDO
Base tuning for C++ programs: -QxP -fast -GX -GR
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: -QxP -fast -Qansi_alias -Oa +FDO
175.vpr: -QxP -fast -Qansi_alias +FDO
176.gcc: -QxP -fast -Qansi_alias +FDO
181.mcf: -QxP -fast -Qansi_alias +FDO
186.crafty: -QxP -fast -Qansi_alias -Oa +FDO
197.parser: -QxP -fast -Qansi_alias +FDO
252.eon: -QxP -O2 -Qipo +FDO
253.perlbmk: -QxP -fast -Qansi_alias +FDO shlw32M.lib
254.gap: -QxP -fast -Qunroll11 -Zp8 +FDO
255.vortex: basepeak=yes
256.bzip2: -fast -Oa -Qunroll11 +FDO
```



# CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

**Intel Corporation**

Intel D875PBZ motherboard (AA-301) (3.0E GHz, Pentium 4 Processor with Hyper-Threading Technology)

SPECint2000 = 1345

SPECint\_base2000 = 1292

SPEC license #: 13 | Tested by: Intel Corporation | Test date: Jan-2004 | Hardware Avail: Feb-2004 | Software Avail: Dec-2003

## Notes/Tuning Information (Continued)

300.twolf: -QxP -fast -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](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>

An AGP video card is installed