



# CINT2000 Result

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## Intel Corporation

Intel D925XECV2 motherboard(3.80 GHz, Intel Pentium 4 processor 570J)

SPECint2000 = 1671

SPECint\_base2000 = 1666

SPEC license #: 13 Tested by: Intel Corporation Test date: Oct-2004 Hardware Avail: Nov-2004 Software Avail: Sep-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	110	1275	111	1266	
175.vpr	1400	132	1063	129	1089	
176.gcc	1100	53.8	2045	53.8	2045	
181.mcf	1800	119	1516	119	1516	
186.crafty	1000	71.0	1408	71.3	1404	
197.parser	1800	124	1455	123	1464	
252.eon	1300	58.7	2214	57.9	2245	
253.perlbnk	1800	90.5	1989	90.9	1980	
254.gap	1100	55.0	1999	55.0	1999	
255.vortex	1900	66.7	2848	66.7	2848	
256.bzip2	1500	127	1180	127	1184	
300.twolf	3000	167	1801	167	1796	

### Hardware

CPU: Intel Pentium 4 processor 570J (3.80 GHz, 800 MHz bus)  
 CPU MHz: 3800  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip with HT 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 (2x512MB PC2-4300 DDRII 533 CL4-4-4)  
 Disk Subsystem: Seagate ST3160023AS 160 GB Serial ATA (7200 RPM, 8MB cache)  
 Other Hardware: N/A

### Software

Operating System: Windows XP Professional SP2  
 Compiler: Intel C++ Compiler 8.1 Build 20040802Z  
 Microsoft Visual Studio .Net 2002(for libraries)  
 SmartHeap Library Version 6.0 from <http://www.microquill.com/>  
 File System: NTFS  
 System State: Default

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -fast +FDO shlw32M.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
164.gzip: -fast -Qansi_alias -Oa +FDO
175.vpr: -fast -Qansi_alias +FDO
176.gcc: basepeak=yes
181.mcf: basepeak=yes
186.crafty: -fast -Qansi_alias -Oa +FDO
197.parser: -fast -Qansi_alias +FDO
252.eon: -fast +FDO
253.perlbnk: -fast -Qansi_alias +FDO shlw32M.lib
254.gap: basepeak=yes
255.vortex: basepeak=yes
```



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## Notes/Tuning Information (Continued)

256.bzip2: -fast -Oa -Qunroll1 +FDO

300.twolf: -fast -O3 +FDO shlw32M.lib

Tested systems can be used with Shin-G ATX case, Antec power supply NeoPower 480

Product description located as of Nov-2004:

[http://www.intel.com/design/motherbd/cv2/index.htm?iid=ipp\\_browse+motherbd\\_d925xecv2&](http://www.intel.com/design/motherbd/cv2/index.htm?iid=ipp_browse+motherbd_d925xecv2&)

Motherboard is available through Intel Reseller Channel:

[http://www.intel.com/cd/channel/reseller/asm-na/eng/products/box\\_desktop\\_boards/intel\\_boards/p4\\_boards/p4\\_dsk\\_board\\_D925XECV2/index.htm](http://www.intel.com/cd/channel/reseller/asm-na/eng/products/box_desktop_boards/intel_boards/p4_boards/p4_dsk_board_D925XECV2/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>

A PCIe-16 video card is installed and HT Technology is enabled

Memory DIMMs used: Micron MT16HTF6464AG-53EB2