



CINT2000 Result

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Intel Corporation

Intel D925XECV2 motherboard(3.0E GHz, Intel Pentium 4 processor 530)

SPECint2000 = 1369

SPECint_base2000 = 1365

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	139	1008	139	1004
175.vpr	1400	154	908	151	925
176.gcc	1100	66.1	1665	66.1	1665
181.mcf	1800	133	1358	133	1358
186.crafty	1000	89.4	1118	89.7	1114
197.parser	1800	152	1184	151	1191
252.eon	1300	74.3	1749	73.3	1774
253.perlbmk	1800	113	1593	113	1591
254.gap	1100	68.1	1616	68.1	1616
255.vortex	1900	79.1	2403	79.1	2403
256.bzip2	1500	152	988	151	995
300.twolf	3000	210	1429	211	1423

Hardware

CPU: Intel Pentium 4 processor 530 (3.0E GHz, 800 MHz bus)
CPU MHz: 3000
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.perlbmk: -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.perlbmk: -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&

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

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