CINT2000 Result

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Intel Corporation

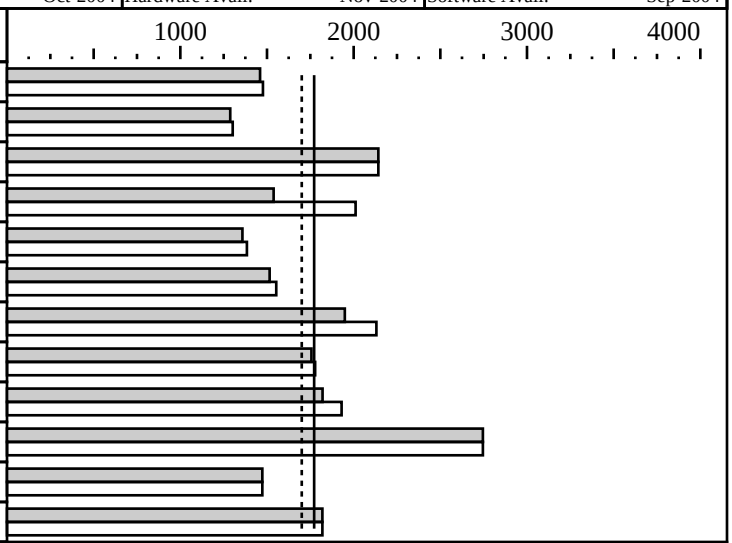
Intel D925XECV2 motherboard(3.46 GHz, Intel Pentium 4 processor with HT Technology Extreme Edition)

SPECint2000 = 1772

SPECint_base2000 = 1701

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	95.9	1460	94.8	1477
175.vpr	1400	109	1288	108	1302
176.gcc	1100	51.3	2142	51.3	2142
181.mcf	1800	117	1538	89.5	2011
186.crafty	1000	73.6	1358	72.3	1384
197.parser	1800	119	1515	116	1553
252.eon	1300	66.7	1949	61.0	2131
253.perlbmk	1800	102	1756	101	1778
254.gap	1100	60.4	1821	57.0	1930
255.vortex	1900	69.2	2746	69.2	2746
256.bzip2	1500	102	1473	102	1473
300.twolf	3000	165	1820	165	1820



Hardware

CPU:	Intel Pentium 4 processor with HT Technology Extreme Edition(3.46 GHz, 1066 MHz bus)
CPU MHz:	3466
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 + 8KBD on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	2MB(I+D) on chip
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:   -Qipo -QxN +FDO shlW32M.lib
Base tuning for C++ programs: -Qipo -QxN -Qcxx_features +FDO
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:     -O3 -Qipo -QxN -Qansi_alias -Oa  +FDO
175.vpr:      -O3 -Qipo -QxN -Qansi_alias +FDO
176.gcc:      basepeak=yes
181.mcf:      -O3 -Qipo -QxN -Qansi_alias +FDO
186.crafty:   -O3 -Qipo -QxN -Qansi_alias -Oa +FDO
197.parser:   -O3 -Qipo -QxN -Qansi_alias  +FDO
252.eon:      -O3 -Qipo -QxN +FDO
253.perlbmk:  -O3 -Qipo -QxN -Qansi_alias +FDO shlW32M.lib
254.gap:      -O3 -Qipo -QxN -Qunroll1 -Zp8 +FDO
255.vortex    basepeak=yes
```

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Notes/Tuning Information (Continued)

256.bzip2: basepeak=yes
300.twolf: basepeak=yes
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/asmo-na/eng/products/box_desktop_boards/intel_boards/p4_boards/p4_dsk_board_D925XECV2/index.htm
The system bus runs at 1066 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