



CINT2000 Result

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Intel Corporation

Intel D875PBZ motherboard (AA-301) (3.4E GHz, Pentium 4 Processor with HT Technology)

SPECint2000 = 1491

SPECint_base2000 = 1432

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	124	1128	124	1130	[Bar chart showing ratio 1130]			
175.vpr	1400	142	987	142	987	[Bar chart showing ratio 987]			
176.gcc	1100	60.4	1822	60.5	1817	[Bar chart showing ratio 1817]			
181.mcf	1800	144	1247	144	1249	[Bar chart showing ratio 1249]			
186.crafty	1000	79.5	1258	79.5	1258	[Bar chart showing ratio 1258]			
197.parser	1800	137	1314	137	1314	[Bar chart showing ratio 1314]			
252.eon	1300	78.3	1660	65.7	1979	[Bar chart showing ratio 1979]			
253.perlbmk	1800	113	1589	101	1779	[Bar chart showing ratio 1779]			
254.gap	1100	61.0	1805	61.0	1804	[Bar chart showing ratio 1804]			
255.vortex	1900	74.4	2552	74.4	2552	[Bar chart showing ratio 2552]			
256.bzip2	1500	141	1067	137	1095	[Bar chart showing ratio 1095]			
300.twolf	3000	220	1365	185	1625	[Bar chart showing ratio 1625]			

Hardware

CPU: Intel Pentium 4 Processor with HT Technology (3.4E GHz, 800 MHz bus)
CPU MHz: 3400
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (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(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

ONESTEP=yes for all base and peak runs +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.crafty: -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



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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

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 and HT Technology is enabled