CINT2000 Result

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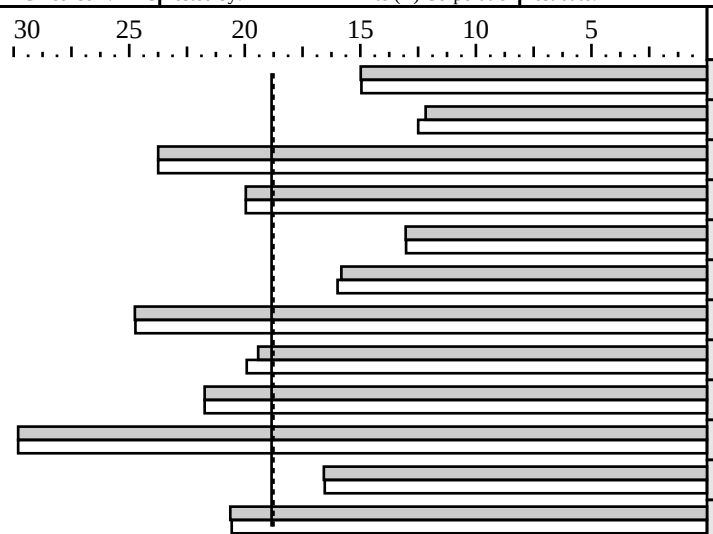
Intel(R) Corporation

Intel D945GPM motherboard(3.0 GHz, Intel (R) Pentium (TM) 4 processor 631)

SPECint_rate2000 = 18.8

SPECint_rate_base2000 = 18.8

SPEC license #: 13 | Tested by: Intel(R) Corporation | Test date: Jul-2006 | Hardware Avail: Jun-2006 | Software Avail: May-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	217	15.0	2	217	15.0
175.vpr	2	267	12.2	2	260	12.5
176.gcc	2	107	23.7	2	107	23.7
181.mcf	2	209	20.0	2	209	20.0
186.crafty	2	178	13.0	2	178	13.0
197.parser	2	264	15.8	2	261	16.0
252.eon	2	122	24.8	2	122	24.7
253.perlbmk	2	215	19.4	2	210	19.9
254.gap	2	117	21.7	2	117	21.7
255.vortex	2	148	29.8	2	148	29.8
256.bzip2	2	210	16.6	2	210	16.5
300.twolf	2	337	20.6	2	338	20.6

Hardware

CPU:	Intel (R) Pentium (TM) 4 processor 631(3.0 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:	2MB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	2 GB (2 1GB Micron DDR2 667 CL5-5-5 DIMMs)
Disk Subsystem:	Maxtor DiamondMax 10 6B300S0 300GB NCQ Serial ATA (7200 RPM, 16MB cache)
Other Hardware:	ATI Radeon X850 XT PCI express graphics card

Software

Operating System:	Windows XP Professional SP2
Compiler:	Intel C++ Compiler 9.1 for 32-bit applications Build 20060323Z Microsoft Visual Studio 2005(for libraries) SmartHeap Library Version 8.0 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-80.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO shlW32M-80.lib
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafy: -DNT_i386
252.eon:     -DHAS_ERRLIST
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-80.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-80.lib
Tested systems can be used with Shin-G ATX case, Delta Inc. power supply PS-300GB-1 B
Product description located as of 07/2006:
http://www.intel.com/products/motherboard/d945gpm/index.htm
The system bus runs at 800 MHz
```