



CINT2000 Result

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Intel Corporation

Intel D815EEA2 motherboard (866 MHz, Pentium III processor)

SPECint2000 = 417

SPECint_base2000 = 411

SPEC license #: 13 Tested by: Intel Corporation Test date: Aug-2001 Hardware Avail: Aug-2001 Software Avail: Oct-2000

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|-------------|----------------|--------------|------------|---------|-------|
| 164.gzip | 1400 | 293 | 477 | 291 | 480 |
| 175.vpr | 1400 | 411 | 341 | 411 | 341 |
| 176.gcc | 1100 | 339 | 325 | 339 | 325 |
| 181.mcf | 1800 | 629 | 286 | 627 | 287 |
| 186.crafty | 1000 | 220 | 456 | 220 | 456 |
| 197.parser | 1800 | 538 | 334 | 538 | 334 |
| 252.eon | 1300 | 245 | 531 | 217 | 598 |
| 253.perlbnk | 1800 | 335 | 537 | 335 | 537 |
| 254.gap | 1100 | 274 | 402 | 274 | 402 |
| 255.vortex | 1900 | 290 | 656 | 285 | 668 |
| 256.bzip2 | 1500 | 419 | 358 | 406 | 369 |
| 300.twolf | 3000 | 803 | 373 | 801 | 375 |

Hardware

CPU: Pentium III processor (866 MHz, 133 MHz bus)
CPU MHz: 866
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 16KBI + 16KBD on chip
Secondary Cache: 256KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 128 MB PC133 CL2 SDRAM (2 * 128 MB sticks)
Disk Subsystem: IBM DTLA-307030 ATA-100
Other Hardware: None

Software

Operating System: Windows 2000 (Build 2195, SP1)
Compiler: Intel C++ Compiler 5.0 for Windows Build 001120
Microsoft Visual C++ 6.0(for libraries)
MicroQuill SmartHeap V5.0
File System: FAT32
System State: Default

Notes/Tuning Information

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+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -QxK -Qipo shlw32M.lib +FDO
Base tuning for C++ programs: -QxK -Qipo -GX -GR
shlw32M.lib is the SmartHeap library V5.0 from MicroQuill www.microquill.com
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, 175.vpr, 176.gcc, 181.mcf, 186.crafty, 197.parser, 253.perlbnk, 254.gap:
-QxK -Qipo FDO shlw32M.lib
255.vortex, 256.bzip2, 300.twolf:
-QxK -Qipo FDO -Oa shlw32M.lib
252.eon:
-QxK -Qipo +FDO
Tested systems can be used with Shin-G ATX case, Nspire MAV-250P power supply.
Product information as of 08/2001:
http://developer.intel.com/design/motherbd/ea2/index.htm
Motherboard is available through Intel OEM Distribution Channel.
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Notes/Tuning Information (Continued)

See <http://channel.intel.com/> for more information

The system bus runs at 133 MHz