



# CINT2000 Result

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Intel Corporation  
Intel OR840(1 GHz Pentium III processor)

SPECint2000 = 442  
SPECint\_base2000 = 438

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

| Benchmark   | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio | 200 400 600 800               |  |  |  |
|-------------|----------------|--------------|------------|---------|-------|-------------------------------|--|--|--|
| 164.gzip    | 1400           | 277          | 505        | 270     | 518   | [Bar chart showing ratio 518] |  |  |  |
| 175.vpr     | 1400           | 419          | 334        | 417     | 336   | [Bar chart showing ratio 336] |  |  |  |
| 176.gcc     | 1100           | 275          | 399        | 272     | 405   | [Bar chart showing ratio 405] |  |  |  |
| 181.mcf     | 1800           | 621          | 290        | 619     | 291   | [Bar chart showing ratio 291] |  |  |  |
| 186.crafty  | 1000           | 191          | 522        | 191     | 523   | [Bar chart showing ratio 523] |  |  |  |
| 197.parser  | 1800           | 500          | 360        | 499     | 361   | [Bar chart showing ratio 361] |  |  |  |
| 252.eon     | 1300           | 267          | 486        | 267     | 486   | [Bar chart showing ratio 486] |  |  |  |
| 253.perlbmk | 1800           | 302          | 596        | 302     | 596   | [Bar chart showing ratio 596] |  |  |  |
| 254.gap     | 1100           | 249          | 442        | 248     | 443   | [Bar chart showing ratio 443] |  |  |  |
| 255.vortex  | 1900           | 268          | 710        | 264     | 719   | [Bar chart showing ratio 719] |  |  |  |
| 256.bzip2   | 1500           | 389          | 386        | 375     | 400   | [Bar chart showing ratio 400] |  |  |  |
| 300.twolf   | 3000           | 784          | 382        | 776     | 387   | [Bar chart showing ratio 387] |  |  |  |

### Hardware

CPU: Pentium III processor (1 GHz, 133 MHz bus)  
CPU MHz: 1000  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 16KBI + 16KBD on-die  
Secondary Cache: 256KB(I+D) on-die ECC  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 256 MB PC800 RDRAM  
Disk Subsystem: IBM DTLA 307030 ATA-66+  
Other Hardware: Creative Labs Annihilator Pro GeForce 256 DDR

### Software

Operating System: Windows 2000(Build 2195)  
Compiler: Intel C++ and Fortran Compiler 5.0 for Windows NT 4.0/Windows 2000  
Microsoft Visual C++ 6.0 (for libraries)  
SmartHeap library V5.0  
File System: FAT32  
System State: Default

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning: -QxK -Qipo_wp shlw32M.lib +FDO
shlw32M.lib is the SmartHeap library V5.0 from MicroQuill www.microquill.com
Portability flags:
175.vpr: -Op 176.gcc: -Dalloca=_alloca /F10000000 -Op
186.craffy: -DNT_i386
253.perlbmk: -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.craffy, 197.parser, 252.eon, 253.perlbmk, 254.gap:
-QxK -Qipo_wp +FDO shlw32M.lib
255.vortex, 256.bzip2, 300.twolf:
-QxK -Qipo_wp +FDO -Oa shlw32M.lib
Tested systems can be used with Shin-G ATX case,
Product description as of 06/2000:
http://developer.intel.com/design/wrkstn/or840/
Motherboard available through Intel OEM Distribution channel. See
http://channel.intel.com/ for more information
The system bus runs at 133 MHz
```