



# CINT2000 Result

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## CAIRA

PCSC30 (3.0 GHz Intel(R)Pentium(TM)4 processor)

SPECint2000 = 1516

SPECint\_base2000 = 1515

SPEC license #: 3195 | Tested by: CAIRA | Test date: Jul-2006 | Hardware Avail: Jul-2006 | Software Avail: Jul-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	125	1118	125	1118	
175.vpr	1400	147	953	145	963	
176.gcc	1100	60.0	1835	60.0	1835	
181.mcf	1800	149	1210	149	1210	
186.crafty	1000	79.2	1263	79.2	1263	
197.parser	1800	140	1288	140	1288	
252.eon	1300	57.2	2273	57.2	2273	
253.perlbnk	1800	89.9	2003	89.9	2003	
254.gap	1100	60.2	1827	60.2	1827	
255.vortex	1900	71.5	2658	71.5	2658	
256.bzip2	1500	144	1044	144	1044	
300.twolf	3000	182	1646	182	1646	

### Hardware

CPU: Intel(R)Pentium(TM)4 processor (3.0 GHz, 1MB L2.533MHz system 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(I) micro-ops + 16K(D) per chip  
Secondary Cache: 1024K(I+D) per chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 512 MB ECC DDR2-533 SDRAM  
Disk Subsystem: 1 x 120GB SATA HDD  
Other Hardware:

### Software

Operating System: Microsoft Windows XP, Service Pack 2 installed  
Compiler: Intel(R) C++ Compiler for 32-bit, Build 9.1  
Intel(R) Fortran Compiler for 32-bit, Build 9.1  
Microsoft Visual Studio .NET 2003 (for libraries)  
MicroQuill SmartHeap version 8.0  
File System: NTFS  
System State: Default

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -fast +FDO shlw32m.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
252.eon:
253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
164.gzip: basepeak=yes
175.vpr: -fast -Qansi_alias +FDO
176.gcc: basepeak=yes
181.mcf: basepeak=yes
186.crafty: basepeak=yes
197.parser: -fast -Qansi_alias +FDO
252.eon: -fast +FDO
253.perlbnk: -fast -Qansi_alias +FDO
254.gap: basepeak=yes
255.vortex: basepeak=yes
```



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## Notes/Tuning Information (Continued)

256.bzip2: -fast -Oa -Qunroll11 +FDO

300.twolf: -fast -O3 +FDO

shw132m.lib is the micro quill smartheap library version 8 from <http://www.microquill.com>