

# SPEC® CINT2006 Result

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Tyan

SPECint®2006 = Not Run

Tyan Thunder KKQS Pro (S4882)

SPECint\_base2006 = 0.00

CPU2006 license #: 9999 Test sponsor: Turbo Computers Test date: Dec-9999 Hardware Availability: Dec-9999 Software Availability: Dec-9999

	0 30000 70000 110000 160000 210000 260000 310000 360000 410000 460000 510000 560000 610000 660000 710000 760000 810000 860000 950000
400.perlbench	
401.bzip2	26.6
403.gcc	
429.mcf	80.8
445.gobmk	28.1
456.hmmer	69.7
458.sjeng	28.0
462.libquantum	47.3
464.h264ref	59.0
471.omnetpp	25.6
473.astar	21.3
483.xalancbmk	46.4

## Hardware

CPU Name: AMD Opteron 256  
CPU Characteristics:  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
CPU(s) orderable: 1 chip  
Primary Cache: 64 KB I + 64 KB D on chip per chip  
Secondary Cache: 1 MB I+D on chip per chip  
L3 Cache: None  
Other Cache: None  
Memory: 2 GB (2 x 1GB DDR333 CL2.5)  
Disk Subsystem: SATA  
Other Hardware: --

## Software

Operating System: SUSE SLES9 (for AMD64)  
Compiler: gcc, g++ & gfortran 4.2.0325 (for AMD64)  
Auto Parallel: No  
File System: ext3  
System State: runlevel 3  
Base Pointers: 64-bit  
Peak Pointers: Not Applicable  
Other Software: None

## Errors

'reportable' flag not set during run  
400.perlbench base did not have enough runs!  
Unknown flags were used! See  
<http://www.spec.org/auto/cpu2006/Docs/runspec.html#flagsurl>  
for information about how to get rid of this error.

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## Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	0.00	0.00										
401.bzip2	362	26.7	<b>363</b>	<b>26.6</b>	364	26.5						
403.gcc	0.00903891000		0.00856941000		0.00864931000							
429.mcf	121	75.4	112	81.3	<b>113</b>	<b>80.8</b>						
445.gobmk	374	28.1	374	28.1	<b>374</b>	<b>28.1</b>						
456.hmmer	133	70.0	134	69.7	<b>134</b>	<b>69.7</b>						
458.sjeng	432	28.0	<b>432</b>	<b>28.0</b>	432	28.0						
462.libquantum	<b>438</b>	<b>47.3</b>	438	47.3	438	47.3						
464.h264ref	<b>375</b>	<b>59.0</b>	375	59.0	376	58.9						
471.omnetpp	<b>244</b>	<b>25.6</b>	245	25.5	238	26.3						
473.astar	329	21.3	330	21.3	<b>330</b>	<b>21.3</b>						
483.xalancbmk	143	48.2	149	46.4	<b>149</b>	<b>46.4</b>						

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

## General Notes

PORTABILITY=-DSPEC\_CPU\_LP64 is applied to all benchmarks in base.

400.perlbench: -DSPEC\_CPU\_LINUX\_X64

462.libquantum: -DSPEC\_CPU\_LINUX

C base flags: -O3 -march=native -m32

C++ base flags: -O3 -march=native -m32 -fpermissive -Wdeprecated -Wdeprecated-declarations

Fortran base flags: -O3 -march=native -m32 -std=legacy

## Base Unknown Flags

401.bzip2: "/usr/bin/gcc" (in CC) "/usr/bin/gcc" (in LD)  
"-O3 -march=native -m32" (in COPTIMIZE)

403.gcc: "/usr/bin/gcc" (in CC) "/usr/bin/gcc" (in LD)  
"-O3 -march=native -m32" (in COPTIMIZE)

429.mcf: "/usr/bin/gcc" (in CC) "/usr/bin/gcc" (in LD)  
"-O3 -march=native -m32" (in COPTIMIZE)

445.gobmk: "/usr/bin/gcc" (in CC) "/usr/bin/gcc" (in LD)  
"-O3 -march=native -m32" (in COPTIMIZE)

456.hmmer: "/usr/bin/gcc" (in CC) "/usr/bin/gcc" (in LD)  
"-O3 -march=native -m32" (in COPTIMIZE)

458.sjeng: "/usr/bin/gcc" (in CC) "/usr/bin/gcc" (in LD)  
"-O3 -march=native -m32" (in COPTIMIZE)

462.libquantum: "/usr/bin/gcc" (in CC) "/usr/bin/gcc" (in LD)  
"-O3 -march=native -m32" (in COPTIMIZE)

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## Base Unknown Flags (Continued)

464.h264ref: "/usr/bin/gcc" (in CC) "/usr/bin/gcc" (in LD)  
"-O3 -march=native -m32" (in COPTIMIZE)

471.omnetpp: "/usr/bin/g++" (in CXX) "/usr/bin/g++" (in LD)  
"-O3 -march=native -m32 -fpermissive -Wdeprecated  
-Wdeprecated-declarations" (in CXXOPTIMIZE)

473.astar: "/usr/bin/g++" (in CXX) "/usr/bin/g++" (in LD)  
"-O3 -march=native -m32 -fpermissive -Wdeprecated  
-Wdeprecated-declarations" (in CXXOPTIMIZE)

483.xalancbmk: "/usr/bin/g++" (in CXX) "/usr/bin/g++" (in LD)  
"-include cstdlib -include cstring" (in CXXPORTABILITY)  
"-O3 -march=native -m32 -fpermissive -Wdeprecated  
-Wdeprecated-declarations" (in CXXOPTIMIZE)

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