

# SPEC® CINT2006 Result

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Intel

(Test Sponsor: guee)

SPECint®2006 = Not Run

Intel(R) Core(TM) i5-4460 CPU @ 3.40GHz

SPECint\_base2006 = 36.2

CPU2006 license:

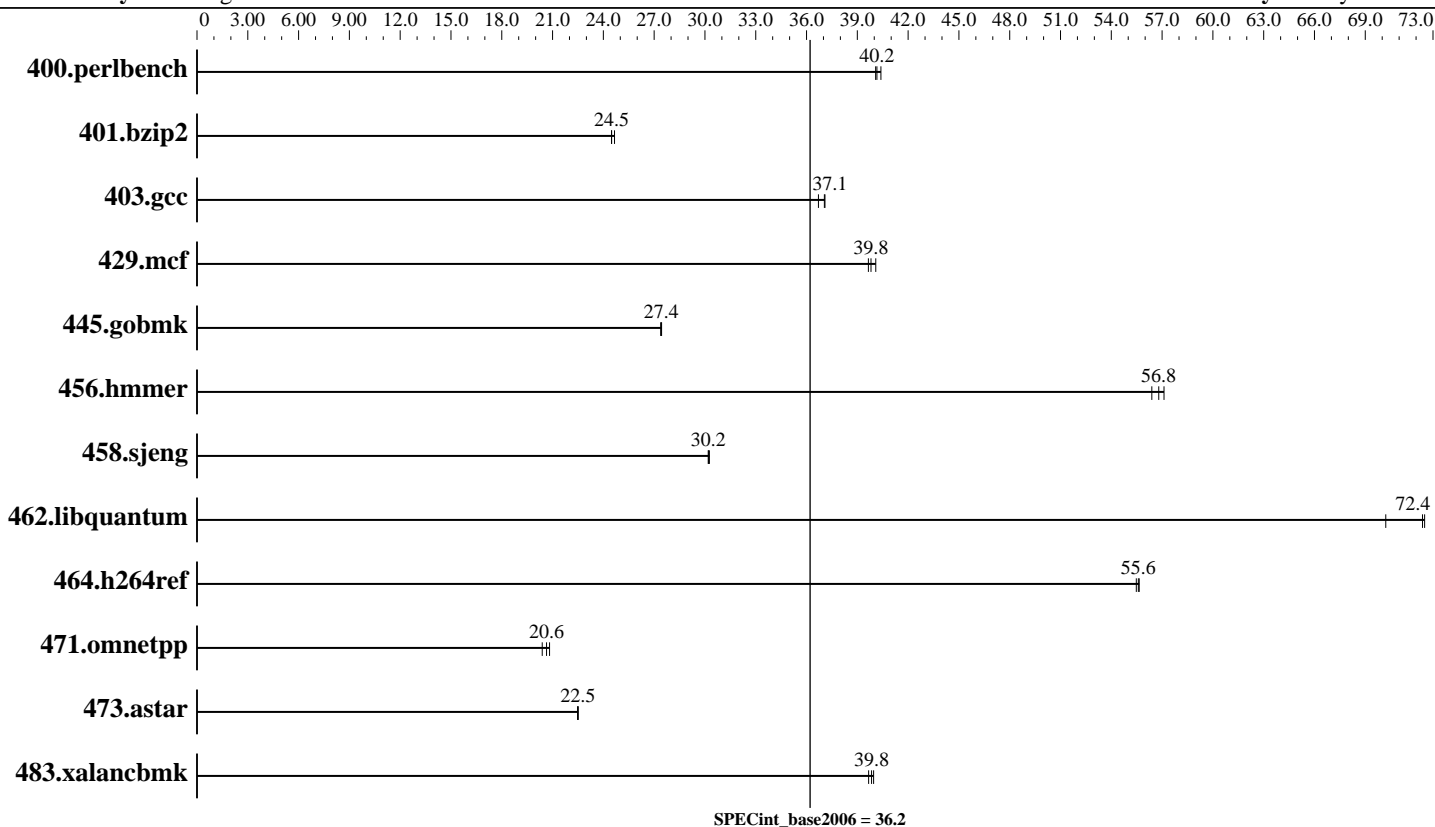
Test sponsor: guee

Tested by: guee

Test date: Aug-2021

Hardware Availability: Sept-2014

Software Availability: July-2021



## Hardware

CPU Name: Intel Core i5-4460  
CPU Characteristics: Intel(R) Core(TM) i5-4460 CPU @ 3.40GHz  
CPU MHz: 2800  
FPU: Integrated  
CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip  
CPU(s) orderable: 1  
Primary Cache: 128 KB I + 128 KB D on chip per core  
Secondary Cache: 1024 KB I+D on chip per chip  
L3 Cache: 6 MB I+D on cip per chip  
Other Cache: None  
Memory: 16 GB (2 x 8 GB DDR3-1600)  
15.546 GB fixme: If using DDR3, format is:  
'N GB (M x N GB nRxn PCn-nnnnnR-n, ECC)'  
Disk Subsystem: 404 GB add more disk info here  
Other Hardware: None

## Software

Operating System: UnionTech OS Desktop 20 Pro  
4.19.0-amd64-desktop  
Compiler: gcc/g++ (Uos 8.3.0.7-1+dde) 8.3  
Auto Parallel: No  
File System: ext4  
System State: Run level 5 (add definition here)  
Base Pointers: 64-bit  
Peak Pointers: 64-bit  
Other Software: --

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## Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	244	40.1	<b><u>243</u></b>	<b><u>40.2</u></b>	242	40.4						
401.bzip2	394	24.5	391	24.7	<b><u>394</u></b>	<b><u>24.5</u></b>						
403.gcc	<b><u>217</u></b>	<b><u>37.1</u></b>	219	36.7	217	37.1						
429.mcf	<b><u>229</u></b>	<b><u>39.8</u></b>	230	39.7	227	40.1						
445.gobmk	<b><u>383</u></b>	<b><u>27.4</u></b>	382	27.4	383	27.4						
456.hmmer	165	56.4	<b><u>164</u></b>	<b><u>56.8</u></b>	163	57.1						
458.sjeng	400	30.3	<b><u>401</u></b>	<b><u>30.2</u></b>	401	30.2						
462.libquantum	<b><u>286</u></b>	<b><u>72.4</u></b>	286	72.5	295	70.2						
464.h264ref	<b><u>398</u></b>	<b><u>55.6</u></b>	398	55.6	399	55.5						
471.omnetpp	<b><u>303</u></b>	<b><u>20.6</u></b>	307	20.4	300	20.8						
473.astar	<b><u>312</u></b>	<b><u>22.5</u></b>	312	22.5	312	22.5						
483.xalancbmk	<b><u>173</u></b>	<b><u>39.8</u></b>	174	39.7	173	40.0						

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

## Platform Notes

```
Sysinfo program /home/guee/spec2006/Docs/sysinfo
$Rev: 6775 $ $Date:: 2011-08-16 #$ 8787f7622badcf24e01c368b1db4377c
running on i5-4460 Wed Aug 4 02:02:48 2021
```

This section contains SUT (System Under Test) info as seen by some common utilities. To remove or add to this section, see:  
<http://www.spec.org/cpu2006/Docs/config.html#sysinfo>

```
From /proc/cpuinfo
model name : Intel(R) Core(TM) i5-4460 CPU @ 3.20GHz
1 "physical id"s (chips)
4 "processors"
cores, siblings (Caution: counting these is hw and system dependent. The
following excerpts from /proc/cpuinfo might not be reliable. Use with
caution.)
cpu cores : 4
siblings : 4
physical 0: cores 0 1 2 3
cache size : 6144 KB
```

```
From /proc/meminfo
MemTotal: 16301608 kB
HugePages_Total: 0
Hugepagesize: 2048 kB
```

```
/usr/bin/lsb_release -d
UnionTech OS Desktop 20 Pro
```

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## Platform Notes (Continued)

```
From /etc/*release* /etc/*version*
debian_version: 10.9
deepin-version:
[Release]
Version=20
Type=Professional
Type[zh_CN]=ä, "ä, šç%^
Edition=Y2020E0001
Copyright=Y2020CR001
[Addition]
Milestone=
os-release:
PRETTY_NAME="UnionTech OS Desktop 20 Pro"
NAME="uos"
VERSION_ID="20"
VERSION="20"
ID=uos
HOME_URL="https://www.chinauos.com/"
BUG_REPORT_URL="http://bbs.chinauos.com"
VERSION_CODENAME=eagle
os-version:
[Version]
SystemName=UnionTech OS Desktop
SystemName[zh_CN]=ç»Ÿä¿;æ;É•çæ"•ä½œç³»ç»Ÿ
ProductType=Desktop
ProductType[zh_CN]=æ;É•ç
EditionName=Professional
EditionName[zh_CN]=ä, "ä, šç%^
MajorVersion=20

uname -a:
Linux i5-4460 4.19.0-amd64-desktop #4016 SMP Wed Jun 23 13:35:29 CST 2021
x86_64 GNU/Linux

run-level 5 Aug 3 18:14

SPEC is set to: /home/guee/spec2006
Filesystem      Type  Size  Used Avail Use% Mounted on
/dev/sda5       ext4  404G   50G  334G  13% /home

(End of data from sysinfo program)
```

## Base Compiler Invocation

C benchmarks:

gcc

C++ benchmarks:

g++

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## Base Portability Flags

```
400.perlbench: -DSPEC_CPU_LP64 -fno-strict-aliasing -DSPEC_CPU_LINUX_X64
               -std=gnu90
401.bzip2: -DSPEC_CPU_LP64 -fno-strict-aliasing
403.gcc: -DSPEC_CPU_LP64 -fno-strict-aliasing
429.mcf: -DSPEC_CPU_LP64 -fno-strict-aliasing
445.gobmk: -DSPEC_CPU_LP64 -fno-strict-aliasing
456.hmmer: -DSPEC_CPU_LP64 -fno-strict-aliasing
458.sjeng: -DSPEC_CPU_LP64 -fno-strict-aliasing
462.libquantum: -DSPEC_CPU_LP64 -fno-strict-aliasing -DSPEC_CPU_LINUX
464.h264ref: -DSPEC_CPU_LP64 -fno-strict-aliasing
471.omnetpp: -DSPEC_CPU_LP64 -fno-strict-aliasing
473.astar: -DSPEC_CPU_LP64 -fno-strict-aliasing
483.xalancbmk: -DSPEC_CPU_LP64 -fno-strict-aliasing -DSPEC_CPU_LINUX
```

## Base Optimization Flags

C benchmarks:

```
-m64 -Ofast -flto -msse4.2 -march=native -funroll-all-loops
```

C++ benchmarks:

```
-m64 -Ofast -flto -msse4.2 -march=native -funroll-all-loops
```

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For questions about this result, please contact the tester.  
For other inquiries, please contact [webmaster@spec.org](mailto:webmaster@spec.org).

Tested with SPEC CPU2006 v1.2.

Report generated on Wed Aug 4 05:19:34 2021 by SPEC CPU2006 PS/PDF formatter v6401.