

SPEC[®] CINT2006 Result

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Intel

(Test Sponsor: guee)

Intel(R) Core(TM) i5-4460

SPECint[®]2006 = Not Run

SPECint_base2006 = 28.5

CPU2006 license:

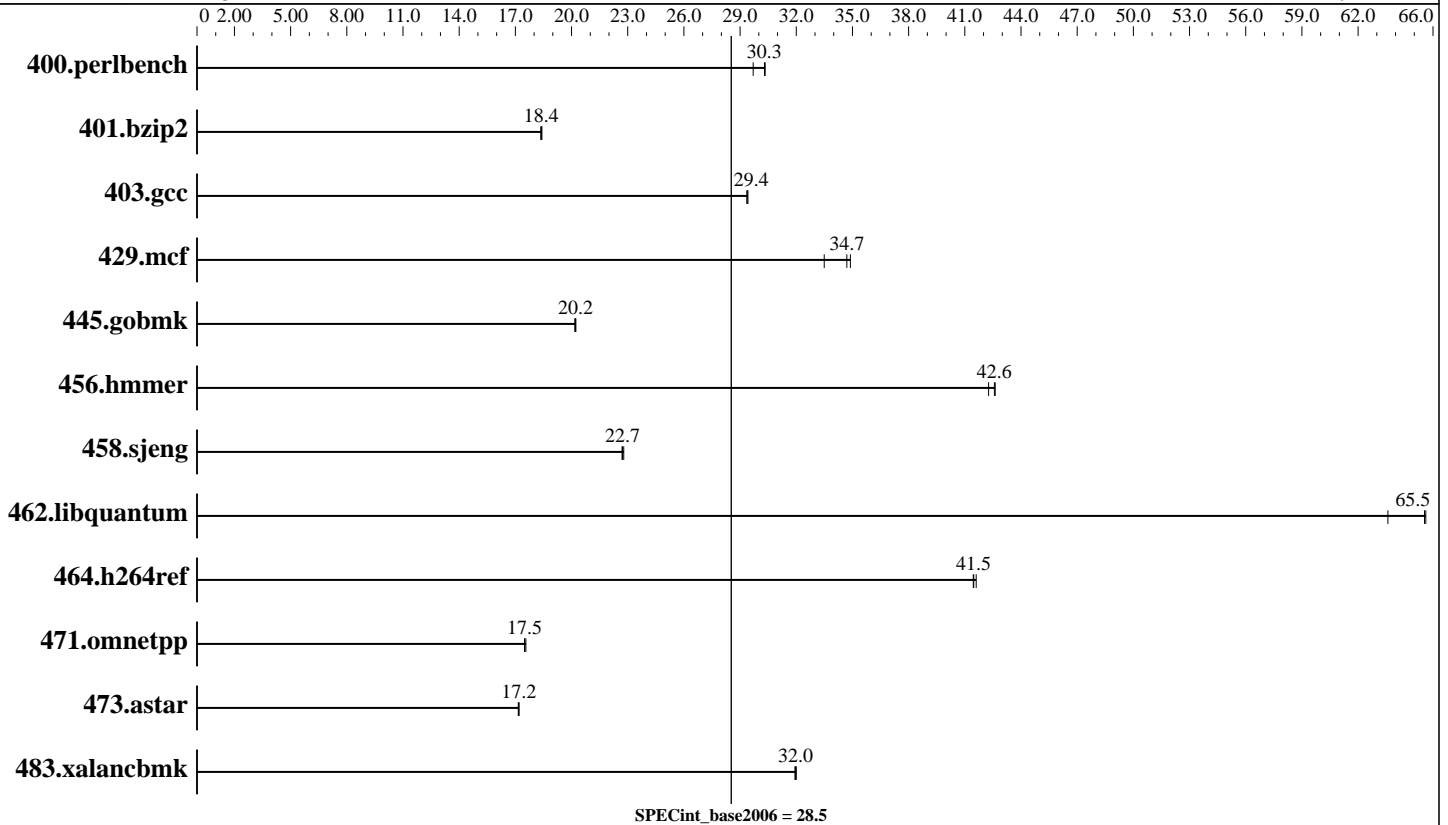
Test sponsor: guee

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 MHz: Fixed 2500MHz
 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)
 15.574 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	329	29.7	<u>322</u>	<u>30.3</u>	322	30.3						
401.bzip2	526	18.4	524	18.4	<u>525</u>	<u>18.4</u>						
403.gcc	<u>274</u>	<u>29.4</u>	274	29.4	274	29.4						
429.mcf	261	34.9	<u>263</u>	<u>34.7</u>	272	33.5						
445.gobmk	<u>519</u>	<u>20.2</u>	520	20.2	519	20.2						
456.hammer	<u>219</u>	<u>42.6</u>	219	42.6	221	42.3						
458.sjeng	<u>533</u>	<u>22.7</u>	531	22.8	533	22.7						
462.libquantum	<u>316</u>	<u>65.5</u>	316	65.6	326	63.6						
464.h264ref	534	41.5	532	41.6	<u>534</u>	<u>41.5</u>						
471.omnetpp	356	17.6	357	17.5	<u>357</u>	<u>17.5</u>						
473.astar	409	17.2	<u>408</u>	<u>17.2</u>	408	17.2						
483.xalancbmk	216	31.9	216	32.0	<u>216</u>	<u>32.0</u>						

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 Tue Aug 24 10:08:02 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: 16331040 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 23 19:29

SPEC is set to: /home/guee/spec2006
Filesystem      Type  Size  Used Avail Use% Mounted on
/dev/sdb5       ext4  404G   79G  305G  21% /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 -mavx -march=native -funroll-all-loops
```

C++ benchmarks:

```
-m64 -Ofast -flto -mavx -march=native -funroll-all-loops
```

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For other inquiries, please contact webmaster@spec.org.

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