

SPEC® CINT2006 Result

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Intel

(Test Sponsor: guee)

SPECint®2006 = Not Run

Intel(R) Core(TM) i7-1165G7

SPECint_base2006 = 37.6

CPU2006 license:

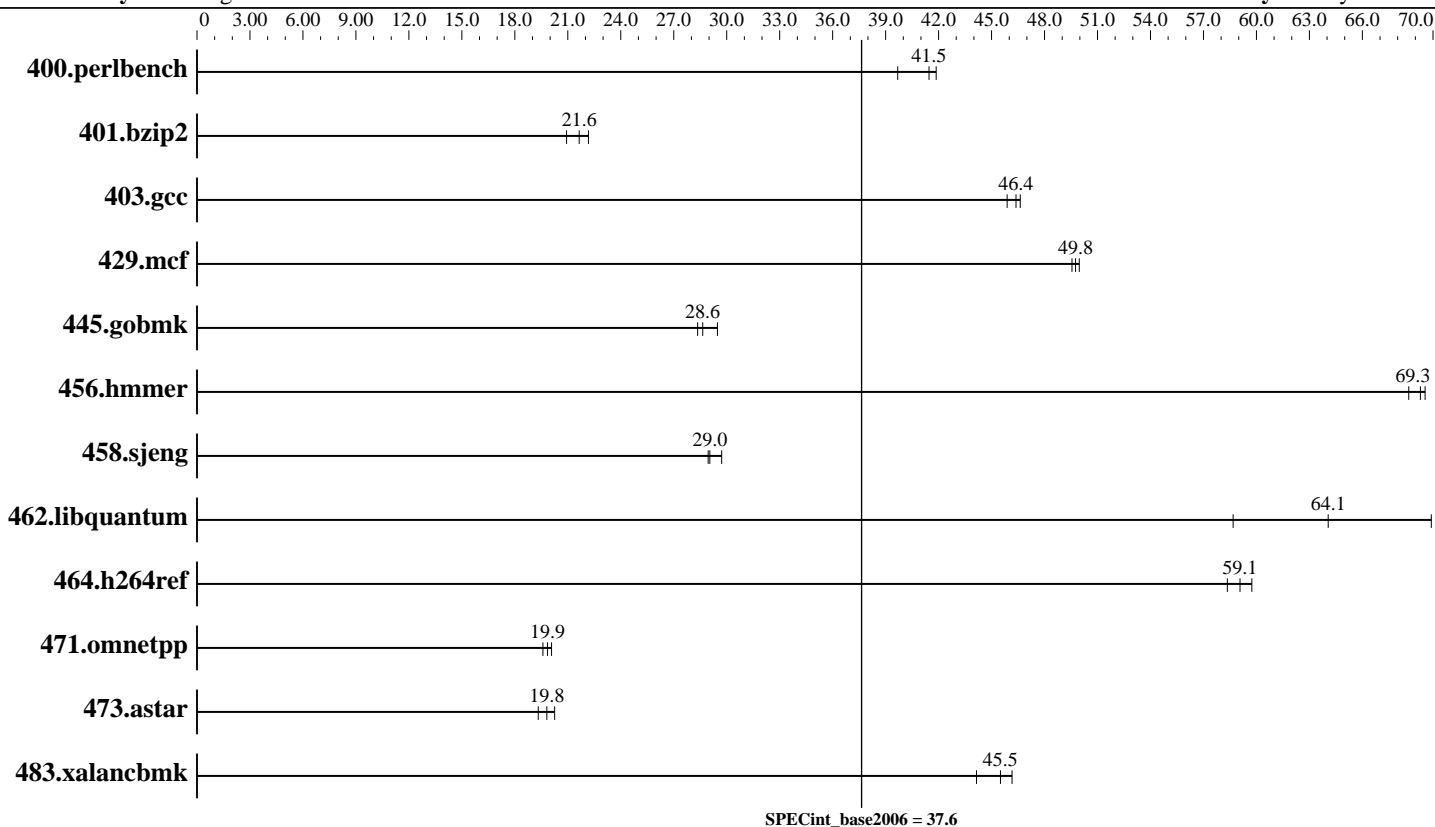
Test sponsor: guee

Tested by: guee

Test date: Aug-2021

Hardware Availability: May-2021

Software Availability: July-2021



Hardware

CPU Name: 11th Gen Intel Core i7-1165G7
CPU Characteristics: Intel(R) Core(TM) i7-1165G7
CPU MHz: 2800MHz~4700MHz
FPU: Integrated
CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip, 2 threads/core
CPU(s) orderable: 1
Primary Cache: 128KB I + 192KB D on chip per core
Secondary Cache: 1280kB I+D on chip per core
L3 Cache: 12MB I+D on chip per chip
Other Cache: None
Memory: 16 GB (2 x 8GB DDR4 3200)
15.327 GB fixme: If using DDR3, format is:
'N GB (M x N GB nRxn PCn-nnnnnR-n, ECC)'
Disk Subsystem: 79 GB add more disk info here
Other Hardware: None

Software

Operating System: Deepin 20.2.2
5.10.36-amd64-desktop
Compiler: gcc/g++ 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	<u>236</u>	<u>41.5</u>	246	39.7	233	41.9						
401.bzip2	435	22.2	461	20.9	<u>446</u>	<u>21.6</u>						
403.gcc	<u>174</u>	<u>46.4</u>	173	46.6	175	45.9						
429.mcf	183	50.0	184	49.6	<u>183</u>	<u>49.8</u>						
445.gobmk	356	29.5	370	28.4	<u>366</u>	<u>28.6</u>						
456.hammer	134	69.6	136	68.6	<u>135</u>	<u>69.3</u>						
458.sjeng	407	29.7	<u>417</u>	<u>29.0</u>	418	28.9						
462.libquantum	296	69.9	353	58.7	<u>323</u>	<u>64.1</u>						
464.h264ref	370	59.7	<u>375</u>	<u>59.1</u>	379	58.4						
471.omnetpp	311	20.1	<u>315</u>	<u>19.9</u>	319	19.6						
473.astar	347	20.3	363	19.3	<u>354</u>	<u>19.8</u>						
483.xalancbmk	<u>152</u>	<u>45.5</u>	149	46.2	156	44.1						

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 guee-i7-1165G7 Mon Aug 9 03:10:12 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 : 11th Gen Intel(R) Core(TM) i7-1165G7 @ 2.80GHz
1 "physical id"s (chips)
8 "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 : 8
physical 0: cores 0 1 2 3
cache size : 12288 KB
```

```
From /proc/meminfo
MemTotal: 16071192 kB
HugePages_Total: 0
Hugepagesize: 2048 kB
```

```
/usr/bin/lsb_release -d
Deepin 20.2.2
```

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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 -std=gnu90
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 -mavx2 -march=native -funroll-all-loops
```

C++ benchmarks:

```
-m64 -Ofast -mavx2 -march=native -funroll-all-loops
```

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

Tested with SPEC CPU2006 v1.2.

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