

# SPEC® CINT2006 Result

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Microsoft Corporation

(Test Sponsor: Kenji Mouri)

Azure Standard D64s v6

SPECint®2006 = Not Run

SPECint\_base2006 = 45.7

CPU2006 license: 3939

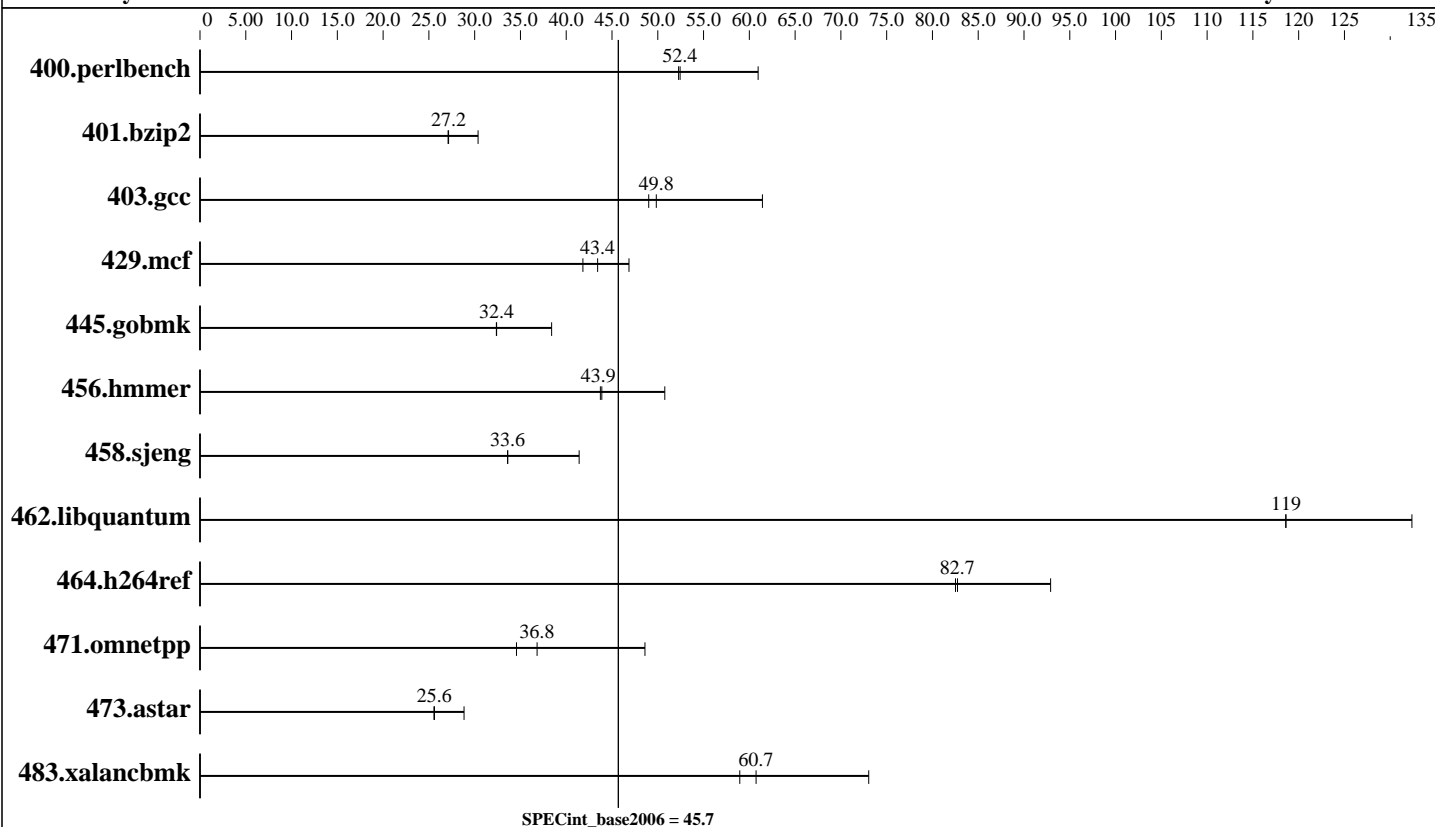
Test sponsor: Kenji Mouri

Tested by: Misaki

Test date: Feb-2026

Hardware Availability: Feb-2026

Software Availability: Jan-2026



## Hardware

CPU Name: INTEL XEON PLATINUM 8573C  
CPU Characteristics: INTEL XEON PLATINUM 8573C @ 3.6GHz  
CPU MHz: 3600  
FPU: Integrated  
CPU(s) enabled: 32 cores, 1 chip, 32 cores/chip, 2 threads/core  
CPU(s) orderable: 1 chips  
Primary Cache: 1 MB I + 1.5 MB D on chip per core  
Secondary Cache: 64 MB I+D on chip per core  
L3 Cache: 260 MB  
Other Cache: None  
Memory: 256 GB  
Disk Subsystem: 256 GB Premium SSD  
Other Hardware: None

## Software

Operating System: Debian GNU/Linux 12 (bookworm)  
6.1.0-43-cloud-amd64  
Compiler: C/C++/Fortran: Version 12.2.0 of GCC, the GNU Compiler Collection  
Auto Parallel: No  
File System: ext4  
System State: Run level 3 (multi-user)  
Base Pointers: 64-bit  
Peak Pointers: Not Applicable  
Other Software: None

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## Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	187	52.3	<u>186</u>	<u>52.4</u>	160	61.0						
401.bzip2	356	27.1	<u>355</u>	<u>27.2</u>	318	30.4						
403.gcc	164	49.0	<u>162</u>	<u>49.8</u>	131	61.4						
429.mcf	218	41.8	<u>210</u>	<u>43.4</u>	195	46.9						
445.gobmk	<u>324</u>	<u>32.4</u>	324	32.4	273	38.4						
456.hmmer	213	43.7	<u>213</u>	<u>43.9</u>	184	50.8						
458.sjeng	360	33.6	<u>360</u>	<u>33.6</u>	292	41.4						
462.libquantum	<u>175</u>	<u>119</u>	175	119	157	132						
464.h264ref	<u>267</u>	<u>82.7</u>	268	82.5	238	92.9						
471.omnetpp	181	34.6	<u>170</u>	<u>36.8</u>	129	48.6						
473.astar	<u>274</u>	<u>25.6</u>	275	25.6	243	28.8						
483.xalancbmk	117	59.0	<u>114</u>	<u>60.7</u>	94.5	73.0						

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

## Platform Notes

Sysinfo program /home/misaki/Library/cpu2006/Docs/sysinfo.new  
Revision 6993 of 2015-11-06 (b5e8d4b4eb51ed28d7f98696cbe290c1)  
running on HimiMisakiBenchmarkIntel64 Thu Feb 12 15:01:16 2026

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) XEON(R) PLATINUM 8573C
1 "physical id"s (chips)
64 "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 : 32
siblings : 64
physical 0: cores 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
22 23 24 25 26 27 28 29 30 31
cache size : 266240 KB
```

```
From /proc/meminfo
MemTotal:      263920464 kB
HugePages_Total:      0
Hugepagesize:    2048 kB
```

```
/usr/bin/lsc_release -d
Debian GNU/Linux 12 (bookworm)
```

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## Platform Notes (Continued)

```
From /etc/*release* /etc/*version*
```

```
cloud-release:
```

```
  ID=azure
```

```
  VERSION="20260210-2384"
```

```
debian_version: 12.13
```

```
os-release:
```

```
  PRETTY_NAME="Debian GNU/Linux 12 (bookworm)"
```

```
  NAME="Debian GNU/Linux"
```

```
  VERSION_ID="12"
```

```
  VERSION="12 (bookworm)"
```

```
  VERSION_CODENAME=bookworm
```

```
  ID=debian
```

```
  HOME_URL="https://www.debian.org/"
```

```
  SUPPORT_URL="https://www.debian.org/support"
```

```
uname -a:
```

```
Linux HimiMisakiBenchmarkIntel64 6.1.0-43-cloud-amd64 #1 SMP PREEMPT_DYNAMIC
```

```
Debian 6.1.162-1 (2026-02-08) x86_64 GNU/Linux
```

```
run-level 5 Feb 12 10:05
```

```
SPEC is set to: /home/misaki/Library/cpu2006
```

```
Filesystem      Type  Size  Used Avail Use% Mounted on
```

```
/dev/nvme0n1p1 ext4  252G  8.3G  233G   4% /
```

```
Additional information from dmidecode:
```

Warning: Use caution when you interpret this section. The 'dmidecode' program reads system data which is "intended to allow hardware to be accurately determined", but the intent may not be met, as there are frequent changes to hardware, firmware, and the "DMTF SMBIOS" standard.

(End of data from sysinfo program)

## Base Compiler Invocation

C benchmarks:

gcc

C++ benchmarks:

g++

## Base Portability Flags

400.perlbench: -DSPEC\_CPU\_LP64 -DSPEC\_CPU\_LINUX\_X64

401.bzip2: -DSPEC\_CPU\_LP64

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## Base Portability Flags (Continued)

403.gcc: -DSPEC\_CPU\_LP64  
429.mcf: -DSPEC\_CPU\_LP64  
445.gobmk: -DSPEC\_CPU\_LP64  
456.hammer: -DSPEC\_CPU\_LP64  
458.sjeng: -DSPEC\_CPU\_LP64  
462.libquantum: -DSPEC\_CPU\_LP64 -DSPEC\_CPU\_LINUX  
464.h264ref: -DSPEC\_CPU\_LP64 -fsigned-char  
471.omnetpp: -DSPEC\_CPU\_LP64  
473.astar: -DSPEC\_CPU\_LP64  
483.xalancbmk: -DSPEC\_CPU\_LP64 -DSPEC\_CPU\_LINUX

## Base Optimization Flags

C benchmarks:

-std=gnu89 -m64 -march=sapphirerapids -mprefer-vector-width=512 -O2  
-flto -fno-strict-aliasing

C++ benchmarks:

-std=c++03 -m64 -march=sapphirerapids -mprefer-vector-width=512 -O2  
-flto -fno-strict-aliasing

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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.  
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