

SPEC® CINT2006 Result

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Microsoft Corporation

(Test Sponsor: Kenji Mouri)

Azure Standard D64s v6

SPECint®2006 = Not Run

SPECint_base2006 = 53.4

CPU2006 license: 3939

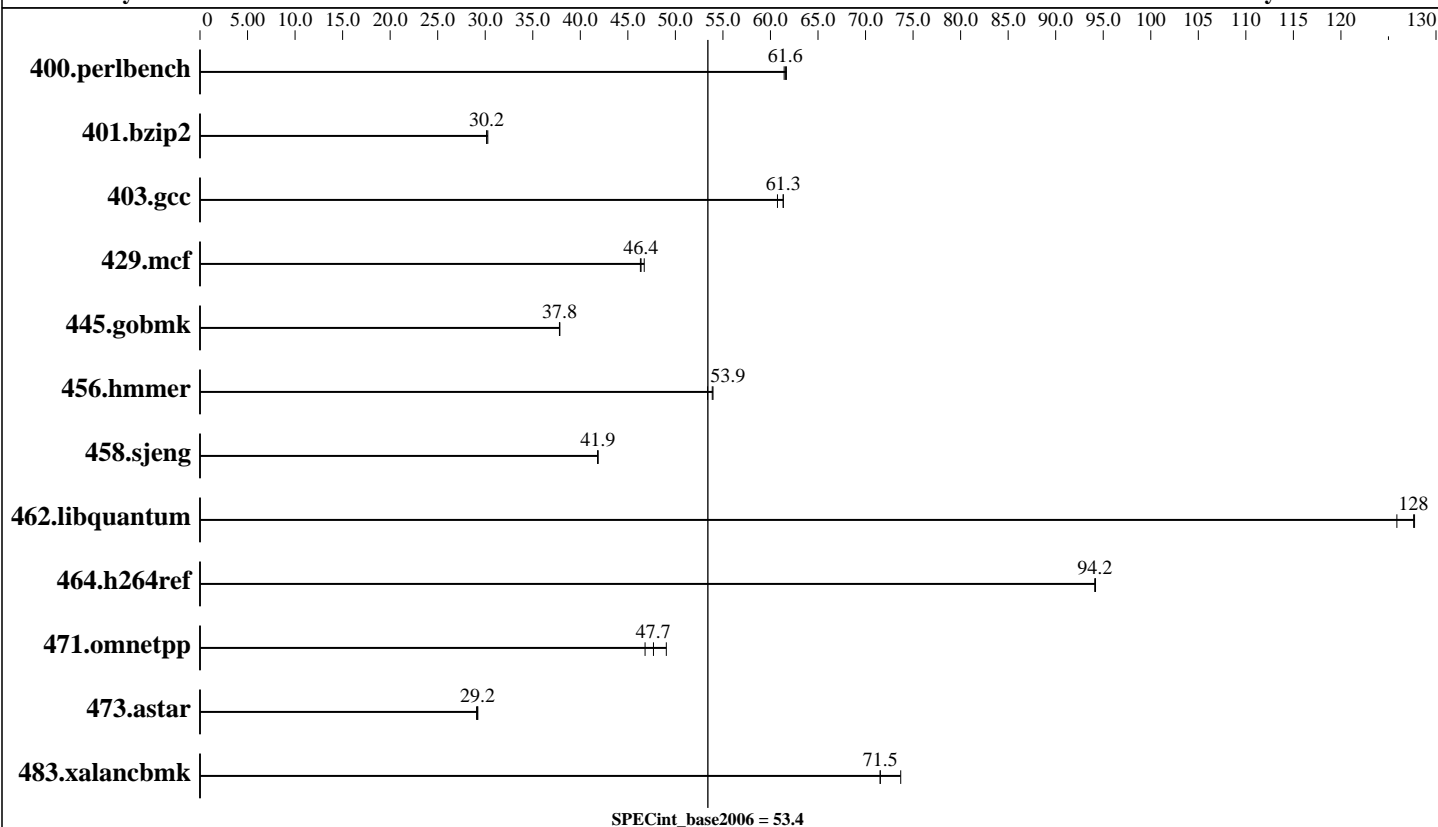
Test sponsor: Kenji Mouri

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	159	61.4	158	61.7	<u>159</u>	<u>61.6</u>						
401.bzip2	319	30.3	320	30.2	<u>320</u>	<u>30.2</u>						
403.gcc	<u>131</u>	<u>61.3</u>	131	61.3	133	60.7						
429.mcf	195	46.7	<u>197</u>	<u>46.4</u>	197	46.3						
445.gobmk	277	37.8	277	37.8	<u>277</u>	<u>37.8</u>						
456.hammer	173	54.0	<u>173</u>	<u>53.9</u>	175	53.4						
458.sjeng	289	41.8	289	41.9	<u>289</u>	<u>41.9</u>						
462.libquantum	165	126	162	128	<u>162</u>	<u>128</u>						
464.h264ref	235	94.2	<u>235</u>	<u>94.2</u>	235	94.1						
471.omnetpp	<u>131</u>	<u>47.7</u>	134	46.8	127	49.0						
473.astar	241	29.1	240	29.2	<u>240</u>	<u>29.2</u>						
483.xalancbmk	96.4	71.5	93.6	73.7	<u>96.4</u>	<u>71.5</u>						

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 Fri Feb 13 06:51:45 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  8.4G  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.hmmer: -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=native -mprefer-vector-width=512 -O2 -flto
-fno-strict-aliasing

C++ benchmarks:

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

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

Tested with SPEC CPU2006 v1.2.

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