

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

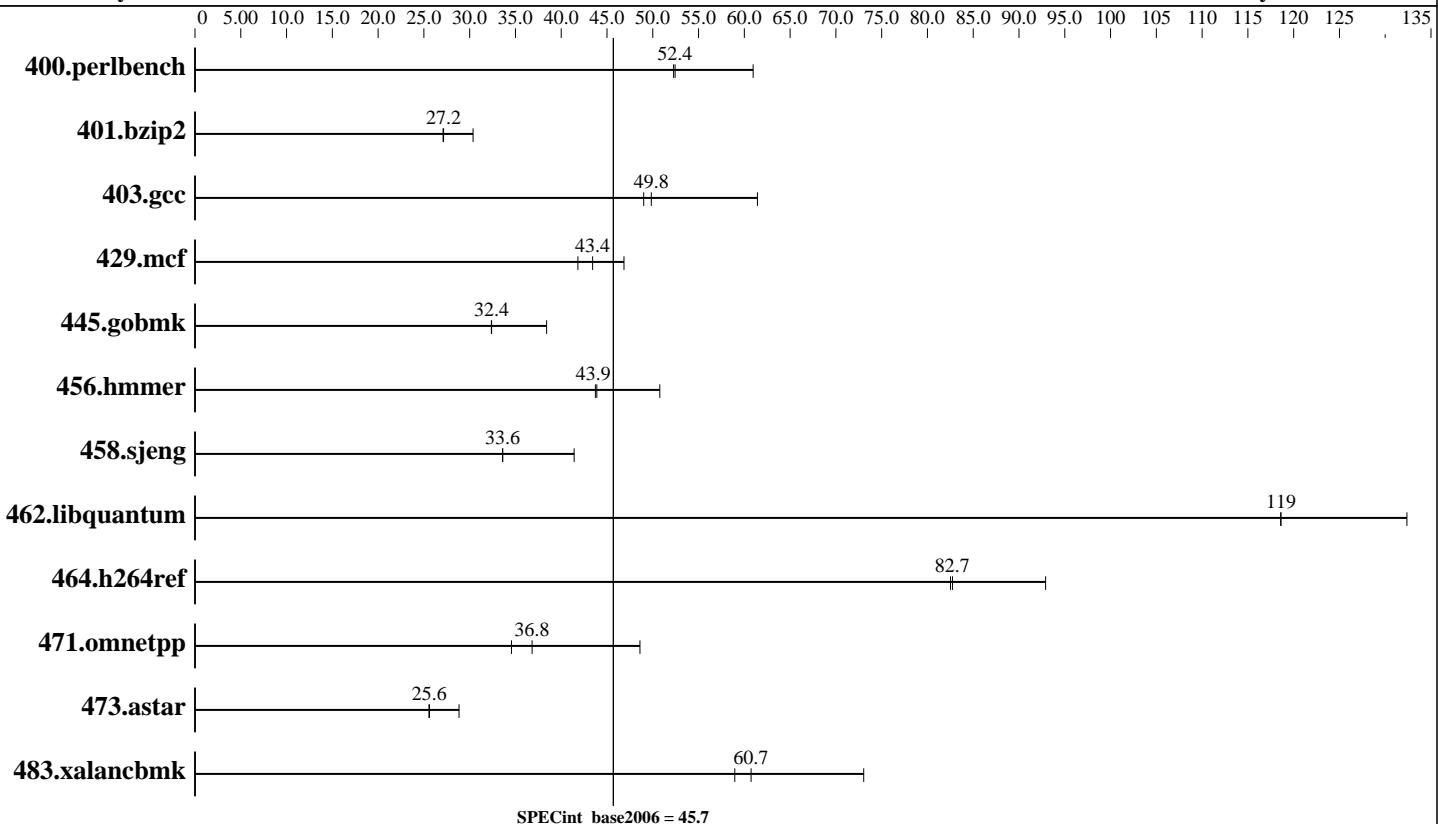
Test sponsor: Kenji Mouri

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

Tested with SPEC CPU2006 v1.2.

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