



SPEC CPU®2026 Floating Point Speed Result

Copyright 2026 Standard Performance Evaluation Corporation

Dell Inc.

SPECSpeed®2026_fp_base = 17.9

PowerEdge M7725 (AMD EPYC 9965 192-Core Processor)

SPECSpeed®2026_fp_peak = 17.9

CPU2026 License: 6573

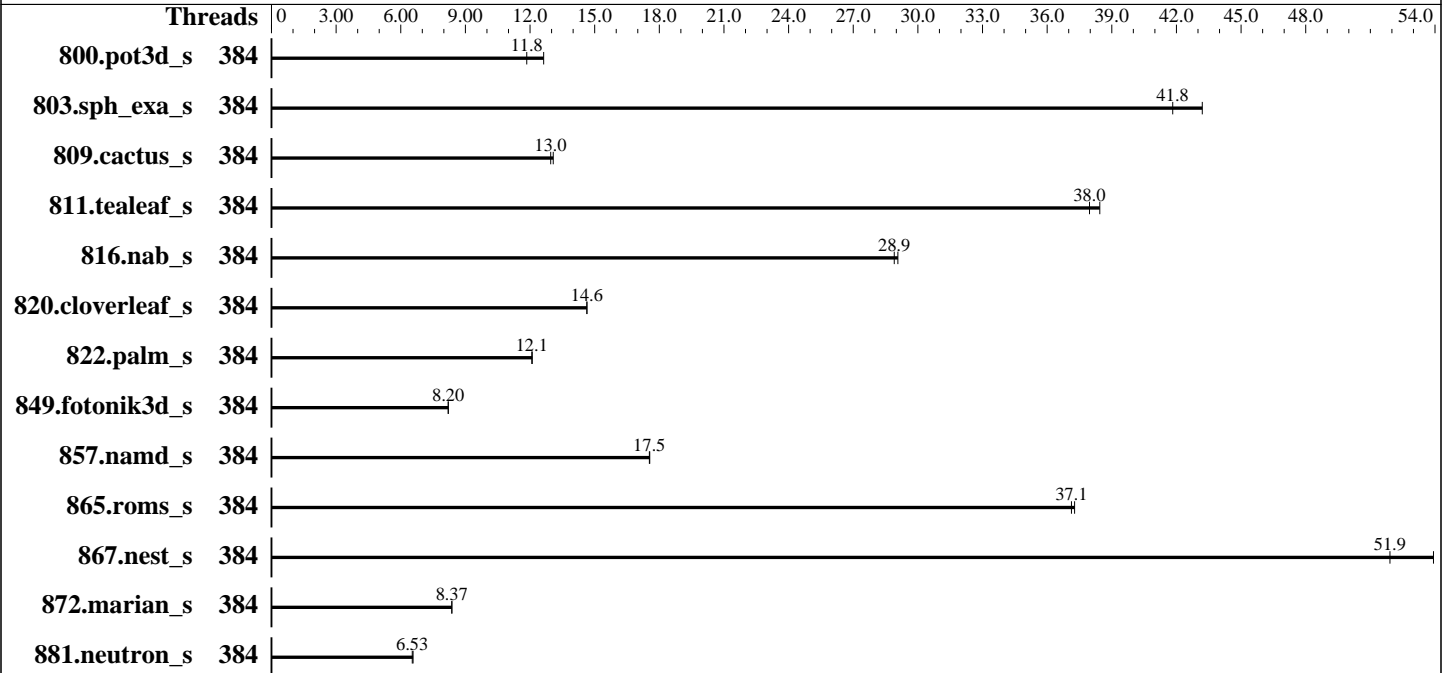
Test Date: Feb-2026

Test Sponsor: Dell Inc.

Hardware Availability: Jan-2025

Tested by: Dell Inc.

Software Availability: Jan-2026



Hardware

CPU Name: AMD EPYC 9965
 Max MHz: 3700
 Nominal: 2250
 Enabled: 384 cores, 2 chips, 2 threads/core
 Orderable: 1,2 chips
 Cache L1: 32 KB I + 48 KB D on chip per core
 L2: 1 MB I+D on chip per core
 L3: 384 MB I+D on chip per chip, 32 MB shared / 16 cores
 Other: None
 Memory: 1536 GB (24 x 64 GB 2Rx4 PC5-6400B-R)
 Storage: 350 GB on tmpfs
 Cooling: DLC
 Other: None

Software

OS: Ubuntu 24.04.1 LTS
 6.8.0-57-generic
 Compiler: C/C++: Version 5.1.0 of AOCC
 Fortran: Flang v22
 Compiler Category: Vendor
 Firmware: Version 1.5.3 released Oct-2025
 File System: tmpfs
 System State: Run level 5 (graphical multi-user)
 Base Pointers: 64-bit
 Peak Pointers: 64-bit
 Other: None
 Power Management: BIOS and OS set to prefer performance at the cost of additional power usage.



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Results Table

Benchmark	Base							Peak						
	Threads	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Threads	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
800.pot3d_s	384	53.3	12.6	56.8	11.8			384	53.3	12.6	56.8	11.8		
803.sph_exa_s	384	28.7	43.2	29.6	41.8			384	28.7	43.2	29.6	41.8		
809.cactus_s	384	86.6	13.0	85.8	13.1			384	86.6	13.0	85.8	13.1		
811.tealeaf_s	384	14.7	38.0	14.5	38.4			384	14.7	38.0	14.5	38.4		
816.nab_s	384	38.7	29.1	39.0	28.9			384	38.7	29.1	39.0	28.9		
820.cloverleaf_s	384	58.5	14.6	58.5	14.6			384	58.5	14.6	58.5	14.6		
822.palm_s	384	101	12.1	102	12.1			384	101	12.1	102	12.1		
849.fotonik3d_s	384	80.5	8.20	80.4	8.20			384	80.5	8.20	80.4	8.20		
857.namd_s	384	82.7	17.6	82.8	17.5			384	82.7	17.6	82.8	17.5		
865.roms_s	384	29.4	37.1	29.2	37.3			384	29.4	37.1	29.2	37.3		
867.nest_s	384	41.6	51.9	40.1	53.9			384	41.6	51.9	40.1	53.9		
872.marian_s	384	129	8.37	129	8.37			384	129	8.37	129	8.37		
881.neutron_s	384	125	6.53	124	6.57			384	125	6.53	124	6.57		

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

Compiler Notes

The AMD64 AOCC Compiler Suite is available at <http://developer.amd.com/amd-aocc/>
Flang v22 is available at <https://flang.llvm.org/>

Submit Notes

The config file option 'submit' was used.
'numactl' was used to bind copies to the cores.
See the configuration file for details.

Operating System Notes

'ulimit -s unlimited' was used to set environment stack size limit
'ulimit -l 2097152' was used to set environment locked pages in memory limit

runcpu command invoked through numactl i.e.:
numactl --interleave=all runcpu <etc>

To limit dirty cache to 8% of memory, 'sysctl -w vm.dirty_ratio=8' run as root.
To limit swap usage to minimum necessary, 'sysctl -w vm.swappiness=1' run as root.
To free node-local memory and avoid remote memory usage,

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Operating System Notes (Continued)

```
'sysctl -w vm.zone_reclaim_mode=1' run as root.
To clear filesystem caches, 'sync; sysctl -w vm.drop_caches=3' run as root.
To disable address space layout randomization (ASLR) to reduce run-to-run
variability, 'sysctl -w kernel.randomize_va_space=0' run as root.
To enable Transparent Hugepages (THP) for all allocations,
'echo always > /sys/kernel/mm/transparent_hugepage/enabled' and
'echo always > /sys/kernel/mm/transparent_hugepage/defrag' run as root.
```

Environment Variables Notes

```
Environment variables set by runcpu before the start of the run:
GOMP_CPU_AFFINITY = "0-383"
LD_LIBRARY_PATH =
"/mnt/ramdisk/cpu2026rc2/amd_speed_aocc510_flang22_znver5_A_lib/lib:/mnt
/ramdisk/cpu2026rc2/amd_speed_aocc510_flang22_znver5_A_lib/lib32:"
MALLOCCONF = "retain:true"
```

General Notes

Binaries were compiled on a system with an AMD EPYC 9754 CPU + 768 GiB Memory using Ubuntu 24.04
 Benchmark run from a 350 GB ramdisk created with the cmd: "mount -t tmpfs -o size=350G tmpfs /mnt/ramdisk"

Platform Notes

```
BIOS Settings:
  Virtualization Technology : Disabled
    System Profile : Custom
      CPU Power Management : Maximum Performance
        C-States : Disabled
          Memory Patrol Scrub : Disabled
            PCI ASPM L1 Link Power Management : Disabled
              Periodic Directory Rinse Tuning : Blended
                Determinism Control : Manual
                  Determinism Slider : Power Determinism
                    Optimizer Mode : Enabled
                      Algorithm Performance Boost Disable : Enabled
                        ApbDis Fixed DF P-State : P0
                          Adaptive Allocation : Enabled
                            Dram Refresh Delay : Performance
```

```
Sysinfo program /mnt/ramdisk/cpu2026rc2/bin/sysinfo
Rev: 069f95da7e7f5d81b2ce48a82150e54f
```

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Platform Notes (Continued)

running on M772501-M7725 Fri Feb 6 02:26:12 2026

SUT (System Under Test) info as seen by some common utilities.

Table of contents

- 1. uname -srvm
- 2. w
- 3. Username
- 4. ulimit -a
- 5. sysinfo process ancestry
- 6. /proc/cpuinfo
- 7. lscpu
- 8. numactl --hardware
- 9. /proc/meminfo
- 10. who -r
- 11. Systemd service manager version: systemd 255 (255.4-lubuntu8.4)
- 12. Failed units, from systemctl list-units --state=failed
- 13. Services, from systemctl list-unit-files
- 14. Linux kernel boot-time arguments, from /proc/cmdline
- 15. cpupower frequency-info
- 16. tuned-adm active
- 17. sysctl
- 18. /sys/kernel/mm/transparent_hugepage
- 19. /sys/kernel/mm/transparent_hugepage/khugepaged
- 20. OS release
- 21. Disk information
- 22. /sys/devices/virtual/dmi/id
- 23. dmidecode
- 24. BIOS

```
1. uname -srvm
Linux 6.8.0-57-generic #59-Ubuntu SMP PREEMPT_DYNAMIC Sat Mar 15 17:40:59 UTC 2025 x86_64
```

```
2. w
02:26:12 up 1:38, 1 user, load average: 217.95, 104.29, 65.95
USER      TTY      FROM          LOGIN@      IDLE       JCPU      PCPU      WHAT
```

```
3. Username
From environment variable $USER: root
```

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Platform Notes (Continued)

```
4. ulimit -a
time(seconds)          unlimited
file(blocks)           unlimited
data(kbytes)           unlimited
stack(kbytes)          unlimited
coredump(blocks)      0
memory(kbytes)         unlimited
locked memory(kbytes) 2097152
process                6187506
nofiles                1024
vmemory(kbytes)        unlimited
locks                  unlimited
rtprio                 0
```

```
-----
5. sysinfo process ancestry
/sbin/init
tmux new -s 2026speed
-bash
/bin/bash /home/DellFiles/bin/DELL_speed.sh
/bin/bash /home/DellFiles/bin/dell-run-main.sh speed
/bin/bash /home/DellFiles/bin/dell-run-main.sh speed
/bin/bash /home/DellFiles/bin/AMD/dell-run-speccpu.sh speed --define DL-VERS=7.0_T01 --output_format
html,pdf,txt
python3 ./run_amd_speed_aocc510_flang22_znver5_A1.py
/bin/bash ./amd_speed_aocc510_flang22_znver5_A1.sh
runcpu --config amd_speed_aocc510_flang22_znver5_A1.cfg --tune base --reportable --iterations 2 --define
DL-VERS=7.0_T01 --output_format html,pdf,txt fpspeed
runcpu --configfile amd_speed_aocc510_flang22_znver5_A1.cfg --tune base --reportable --iterations 2 --define
DL-VERS=7.0_T01 --output_format html,pdf,txt --nopower --runmode speed --tune base --size
test:train:refspeed fpspeed --nopreenv --note-preenv --logfile
$SPEC/tmp/CPU2026.002/templogs/preenv.fpspeed.002.0.log --lognum 002.0 --from_runcpu 2
specperl $SPEC/bin/sysinfo
$SPEC = /mnt/ramdisk/cpu2026rc2
```

```
-----
6. /proc/cpuinfo
model name      : AMD EPYC 9965 192-Core Processor
vendor_id      : AuthenticAMD
cpu family     : 26
model          : 17
stepping       : 0
microcode      : 0xb101054
bugs           : sysret_ss_attrs spectre_v1 spectre_v2 spec_store_bypass
TLB size      : 192 4K pages
cpu cores     : 192
siblings      : 384
```

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Platform Notes (Continued)

2 physical ids (chips)
 768 processors (hardware threads)
 physical id 0: core ids 0-191
 physical id 1: core ids 0-191
 physical id 0: apicids 0-383
 physical id 1: apicids 512-895

Caution: /proc/cpuinfo data regarding chips, cores, and threads is not necessarily reliable, especially for virtualized systems. Use the above data carefully.

7. lscpu

From lscpu from util-linux 2.39.3:

```

Architecture:                x86_64
CPU op-mode(s):              32-bit, 64-bit
Address sizes:               52 bits physical, 57 bits virtual
Byte Order:                  Little Endian
CPU(s):                      768
On-line CPU(s) list:        0-767
Vendor ID:                   AuthenticAMD
BIOS Vendor ID:             AMD
Model name:                  AMD EPYC 9965 192-Core Processor
BIOS Model name:            AMD EPYC 9965 192-Core Processor          CPU @ 2.2GHz
BIOS CPU family:            107
CPU family:                  26
Model:                       17
Thread(s) per core:         2
Core(s) per socket:         192
Socket(s):                   2
Stepping:                    0
BogoMIPS:                    4493.45

```

Flags:

```

fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat
pse36 clflush mmx fxsr sse sse2 ht syscall nx mmxext fxsr_opt pdpe1gb
rdtsmp lm constant_tsc rep_good amd_lbr_v2 nopl nonstop_tsc cpuid
extd_apicid aperfmperf rapl pni pclmulqdq monitor ssse3 fma cx16 pcid
sse4_1 sse4_2 x2apic movbe popcnt aes xsave avx f16c rdrand lahf_lm
cmp_legacy extapic cr8_legacy abm sse4a misalignsse 3dnowprefetch
osvw ibs skinit wdt tce topoext perfctr_core perfctr_nb bpext
perfctr_llc mwaitx cpb cat_l3 cdp_l3 hw_pstate ssbd mba perfmon_v2
ibrs ibpb stibp ibrs_enhanced vmmcall fsgsbase tsc_adjust bmi1 avx2
smep bmi2 invpcid cqm rdt_a avx512f avx512dq rdseed adx smap
avx512ifma clflushopt clwb avx512cd sha_ni avx512bw avx512vl xsaveopt
xsavec xgetbv1 xsaves cqm_llc cqm_occup_llc cqm_mbm_total
cqm_mbm_local user_shstk avx_vnni avx512_bf16 clzero irperf
xsaveerptr rdpru wbnoinvd amd_ppin cppc amd_ibpb_ret arat npt lbrv
svm_lock nrip_save tsc_scale vmcb_clean flushbyasid decodeassists
pausefilter pfthreshold avic v_vmsave_vmload vgif x2avic v_spec_ctrl

```

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Platform Notes (Continued)

```
vnmi avx512vbmi umip pku ospke avx512_vbmi2 gfni vaes vpclmulqdq
avx512_vnni avx512_bitalg avx512_vpopcntdq la57 rdpid bus_lock_detect
movdiri movdir64b overflow_recov succor smca avx512_vp2intersect
```

```
flush_llid debug_swap
L1d cache: 18 MiB (384 instances)
L1i cache: 12 MiB (384 instances)
L2 cache: 384 MiB (384 instances)
L3 cache: 768 MiB (24 instances)
NUMA node(s): 2
NUMA node0 CPU(s): 0-191,384-575
NUMA node1 CPU(s): 192-383,576-767
Vulnerability Gather data sampling: Not affected
Vulnerability Itlb multihit: Not affected
Vulnerability L1tf: Not affected
Vulnerability Mds: Not affected
Vulnerability Meltdown: Not affected
Vulnerability Mmio stale data: Not affected
Vulnerability Reg file data sampling: Not affected
Vulnerability Retbleed: Not affected
Vulnerability Spec rstack overflow: Not affected
Vulnerability Spec store bypass: Mitigation; Speculative Store Bypass disabled via prctl
Vulnerability Spectre v1: Mitigation; usercopy/swaps barriers and __user pointer sanitization
Vulnerability Spectre v2: Mitigation; Enhanced / Automatic IBRS; IBPB conditional; STIBP
always-on; RSB filling; PBRSE-eIBRS Not affected; BHI Not affected
Vulnerability Srbds: Not affected
Vulnerability Tsx async abort: Not affected
```

From lscpu --cache:

NAME	ONE-SIZE	ALL-SIZE	WAYS	TYPE	LEVEL	SETS	PHY-LINE	COHERENCY-SIZE
L1d	48K	18M	12	Data	1	64	1	64
L1i	32K	12M	8	Instruction	1	64	1	64
L2	1M	384M	16	Unified	2	1024	1	64
L3	32M	768M	16	Unified	3	32768	1	64

8. numactl --hardware

NOTE: a numactl 'node' might or might not correspond to a physical chip.

```
available: 2 nodes (0-1)
node 0 cpus: 0-191,384-575
node 0 size: 773059 MB
node 0 free: 769105 MB
node 1 cpus: 192-383,576-767
node 1 size: 773891 MB
node 1 free: 760517 MB
node distances:
node  0  1
 0:  10 32
```

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Platform Notes (Continued)

1: 32 10

9. /proc/meminfo
MemTotal: 1584077928 kB

10. who -r
run-level 5 Feb 6 00:47

11. Systemd service manager version: systemd 255 (255.4-1ubuntu8.4)
Default Target Status
graphical degraded

12. Failed units, from systemctl list-units --state=failed
UNIT LOAD ACTIVE SUB DESCRIPTION
* cxl-monitor.service loaded failed failed CXL Monitor Daemon
* fwupd-refresh.service loaded failed failed Refresh fwupd metadata and update motd
Legend: LOAD -> Reflects whether the unit definition was properly loaded.
ACTIVE -> The high-level unit activation state, i.e. generalization of SUB.
SUB -> The low-level unit activation state, values depend on unit type.
2 loaded units listed.

13. Services, from systemctl list-unit-files
STATE UNIT FILES
enabled ModemManager apparmor appport blk-availability cloud-config cloud-final cloud-init cloud-init-local console-setup cron cxl-monitor dmesg e2scrub_reap finalrd getty@ gpu-manager grub-common grub-initrd-fallback keyboard-setup lm-sensors lvm2-monitor multipathd networkd-dispatcher open-iscsi open-vm-tools pollinate rsyslog secureboot-db setvtrgb sysstat systemd-networkd systemd-networkd-wait-online systemd-pstore systemd-resolved systemd-timesyncd thermald tuned ua-reboot-cmds ubuntu-advantage udisks2 ufw vgauth
enabled-runtime netplan-ovs-cleanup systemd-fsck-root systemd-remount-fs
disabled console-getty debug-shell iscsid nftables rsync serial-getty@ ssh systemd-boot-check-no-failures systemd-confext systemd-network-generator systemd-networkd-wait-online@ systemd-pcrlock-file-system systemd-pcrlock-firmware-code systemd-pcrlock-firmware-config systemd-pcrlock-machine-id systemd-pcrlock-make-policy systemd-pcrlock-secureboot-authority systemd-pcrlock-secureboot-policy systemd-sysext systemd-time-wait-sync upower
indirect systemd-sysupdate systemd-sysupdate-reboot uidd
masked cryptdisks cryptdisks-early hwclock multipath-tools-boot screen-cleanup sudo x11-common

14. Linux kernel boot-time arguments, from /proc/cmdline

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Platform Notes (Continued)

```
BOOT_IMAGE=/vmlinuz-6.8.0-57-generic
root=/dev/mapper/ubuntu--vg-ubuntu--lv
ro
```

```
-----
15. cpupower frequency-info
analyzing CPU 703:
Unable to determine current policy
boost state support:
Supported: yes
Active: yes
Boost States: 0
Total States: 3
Pstate-P0: 2250MHz
```

```
-----
16. tuned-adm active
Current active profile: throughput-performance
```

```
-----
17. sysctl
kernel.numa_balancing 1
kernel.randomize_va_space 0
vm.compaction_proactiveness 20
vm.dirty_background_bytes 0
vm.dirty_background_ratio 10
vm.dirty_bytes 0
vm.dirty_expire_centisecs 3000
vm.dirty_ratio 8
vm.dirty_writeback_centisecs 500
vm.dirtytime_expire_seconds 43200
vm.extfrag_threshold 500
vm.min_unmapped_ratio 1
vm.nr_hugepages 0
vm.nr_hugepages_mempolicy 0
vm.nr_overcommit_hugepages 0
vm.swappiness 1
vm.watermark_boost_factor 15000
vm.watermark_scale_factor 10
vm.zone_reclaim_mode 1
```

```
-----
18. /sys/kernel/mm/transparent_hugepage
defrag [always] defer defer+madvise madvise never
enabled [always] madvise never
hpage_pmd_size 2097152
shmem_enabled always within_size advise [never] deny force
```

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Platform Notes (Continued)

19. /sys/kernel/mm/transparent_hugepage/khugepaged

```

alloc_sleep_millisecs 60000
defrag 1
max_ptes_none 511
max_ptes_shared 256
max_ptes_swap 64
pages_to_scan 4096
scan_sleep_millisecs 10000

```

20. OS release

```

From /etc/*-release /etc/*-version
os-release Ubuntu 24.04.1 LTS

```

21. Disk information

SPEC is set to: /mnt/ramdisk/cpu2026rc2

Filesystem	Type	Size	Used	Avail	Use%	Mounted on
tmpfs	tmpfs	350G	11G	340G	3%	/mnt/ramdisk

22. /sys/devices/virtual/dmi/id

```

Vendor: Dell Inc.
Product: PowerEdge M7725
Product Family: PowerEdge
Serial: M772501

```

23. dmidecode

Additional information from dmidecode 3.5 follows. 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.

Memory:

```

1x 80CE000080CE M321R8GA0PB1-CCPQC 64 GB 2 rank 6400
23x 80CE000080CE M321R8GA0PB2-CCPKC 64 GB 2 rank 6400

```

24. BIOS

(This section combines info from /sys/devices and dmidecode.)

```

BIOS Vendor: Dell Inc.
BIOS Version: 1.5.3
BIOS Date: 10/29/2025
BIOS Revision: 1.5

```



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Compiler Version Notes

=====
C | 811.tealeaf_s(base) 816.nab_s(base) 881.neutron_s(base)

AMD clang version 17.0.6 (CLANG: AOCC_5.1.0-Build#1994 2025_12_23)
Target: x86_64-unknown-linux-gnu
Thread model: posix
InstalledDir: /opt/AMD/aocc/aocc-compiler-5.1.0/bin

=====
C++ | 803.sph_exa_s(base) 857.namd_s(base) 867.nest_s(base)
872.marian_s(base)

AMD clang version 17.0.6 (CLANG: AOCC_5.1.0-Build#1994 2025_12_23)
Target: x86_64-unknown-linux-gnu
Thread model: posix
InstalledDir: /opt/AMD/aocc/aocc-compiler-5.1.0/bin

=====
C++, C | 809.cactus_s(base)

AMD clang version 17.0.6 (CLANG: AOCC_5.1.0-Build#1994 2025_12_23)
Target: x86_64-unknown-linux-gnu
Thread model: posix
InstalledDir: /opt/AMD/aocc/aocc-compiler-5.1.0/bin

=====
Fortran | 800.pot3d_s(base) 820.cloverleaf_s(base) 822.palm_s(base)
849.fotonik3d_s(base) 865.roms_s(base)

flang version 22.1.0-rc2 (https://github.com/llvm/llvm-project
a47b42eb9f9b302167b4fc413e6c92798d65dd0b)
Target: x86_64-unknown-linux-gnu
Thread model: posix
InstalledDir: /opt/llvm/llvm-22.1.0-rc2/install/bin

Base Compiler Invocation

C benchmarks:
clang

C++ benchmarks:
clang++

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SPEC CPU®2026 Floating Point Speed Result

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Dell Inc.

SPECspeed®2026_fp_base = 17.9

PowerEdge M7725 (AMD EPYC 9965 192-Core Processor)

SPECspeed®2026_fp_peak = 17.9

CPU2026 License: 6573

Test Date: Feb-2026

Test Sponsor: Dell Inc.

Hardware Availability: Jan-2025

Tested by: Dell Inc.

Software Availability: Jan-2026

Base Compiler Invocation (Continued)

Fortran benchmarks:

flang-22

Benchmarks using both C and C++:

clang++ clang

Base Portability Flags

800.pot3d_s: -DSPEC_LP64
 803.sph_exa_s: -DSPEC_LP64
 809.cactus_s: -DSPEC_LP64
 811.tealeaf_s: -DSPEC_LP64
 816.nab_s: -DSPEC_LP64
 820.cloverleaf_s: -DSPEC_LP64
 822.palm_s: -DSPEC_LP64
 849.fotonik3d_s: -DSPEC_LP64
 857.namd_s: -DSPEC_LP64
 865.roms_s: -DSPEC_LP64
 867.nest_s: -fno-finite-math-only -DSPEC_LP64
 872.marian_s: -DSPEC_LP64
 881.neutron_s: -DSPEC_LP64

Base Optimization Flags

C benchmarks:

-m64 -std=c18 -Wl,-mllvm -Wl,-align-all-nofallthru-blocks=6
 -Wl,-mllvm -Wl,-reduce-array-computations=3 -O3 -flto -march=znver5
 -fveclib=AMDLIBM -ffast-math -fremap-arrays -fstrip-mining
 -fstruct-layout=7 -mllvm -inline-threshold=1000
 -mllvm -reduce-array-computations=3 -mllvm -unroll-threshold=50 -zopt
 -mrecip=none -fopenmp -DSPEC_OPENMP -lamdalloc -lamdlibm
 -fopenmp=libomp -lomp

C++ benchmarks:

-m64 -std=c++17 -Wl,-mllvm -Wl,-align-all-nofallthru-blocks=6
 -Wl,-mllvm -Wl,-reduce-array-computations=3 -O3 -flto -march=znver5
 -fveclib=AMDLIBM -ffast-math -mllvm -unroll-threshold=100
 -mllvm -loop-unswitch-threshold=200000
 -mllvm -reduce-array-computations=3 -zopt -fopenmp -DSPEC_OPENMP
 -pthread -lamdalloc -lamdlibm -fopenmp=libomp -lomp

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Base Optimization Flags (Continued)

Fortran benchmarks:

```
-m64 -std=f2018 -O3 -flto -march=znver5 -fveclib=AMDLIBM
-ffast-math -funroll-loops -DSPEC_OPENMP -fopenmp
-fdo-concurrent-to-openmp=host -lamdalloc -lamdlibm -fopenmp=libomp
-lomp
```

Benchmarks using both C and C++:

```
-m64 -std=c++17 -std=c18 -Wl,-mllvm -Wl,-align-all-nofallthru-blocks=6
-Wl,-mllvm -Wl,-reduce-array-computations=3 -O3 -flto -march=znver5
-fveclib=AMDLIBM -ffast-math -fremap-arrays -fstrip-mining
-fstruct-layout=7 -mllvm -inline-threshold=1000
-mllvm -reduce-array-computations=3 -mllvm -unroll-threshold=50 -zopt
-mllvm -unroll-threshold=100 -mllvm -loop-unswitch-threshold=200000
-mrecip=none -fopenmp -DSPEC_OPENMP -pthread -lamdalloc -lamdlibm
-fopenmp=libomp -lomp
```

Base Other Flags

C benchmarks:

```
-Wno-return-type -Wno-unused-command-line-argument
```

Benchmarks using both C and C++:

```
-Wno-return-type -Wno-unused-command-line-argument
```

Peak Optimization Flags

C benchmarks:

```
811.tealeaf_s: basepeak = yes
```

```
816.nab_s: basepeak = yes
```

```
881.neutron_s: basepeak = yes
```

C++ benchmarks:

```
803.sph_exa_s: basepeak = yes
```

```
857.namd_s: basepeak = yes
```

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Peak Optimization Flags (Continued)

867.nest_s: basepeak = yes

872.marian_s: basepeak = yes

Fortran benchmarks:

800.pot3d_s: basepeak = yes

820.cloverleaf_s: basepeak = yes

822.palm_s: basepeak = yes

849.fotonik3d_s: basepeak = yes

865.roms_s: basepeak = yes

Benchmarks using both C and C++:

809.cactus_s: basepeak = yes

The flags files that were used to format this result can be browsed at

<http://www.spec.org/cpu2026/results/flags/aocc-flags.html>

<http://www.spec.org/cpu2026/results/flags/Dell-Platform-Flags-PowerEdge-AMD-EPYC-v1.8.html>

You can also download the XML flags sources by saving the following links:

<http://www.spec.org/cpu2026/results/flags/aocc-flags.xml>

<http://www.spec.org/cpu2026/results/flags/Dell-Platform-Flags-PowerEdge-AMD-EPYC-v1.8.xml>

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For questions about this result, please contact the tester. For other inquiries, please contact info@spec.org.

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