



SPEC CPU®2026 Integer Rate Result

Copyright 2026 Standard Performance Evaluation Corporation

Dell Inc.

PowerEdge R7725 (AMD EPYC 9755 128-Core Processor)

SPECrate®2026_int_base = 896
 SPECrate®2026_int_energy_base = 57.6
 SPECrate®2026_int_peak = 896
 SPECrate®2026_int_energy_peak = 57.6

CPU2026 License: 6573

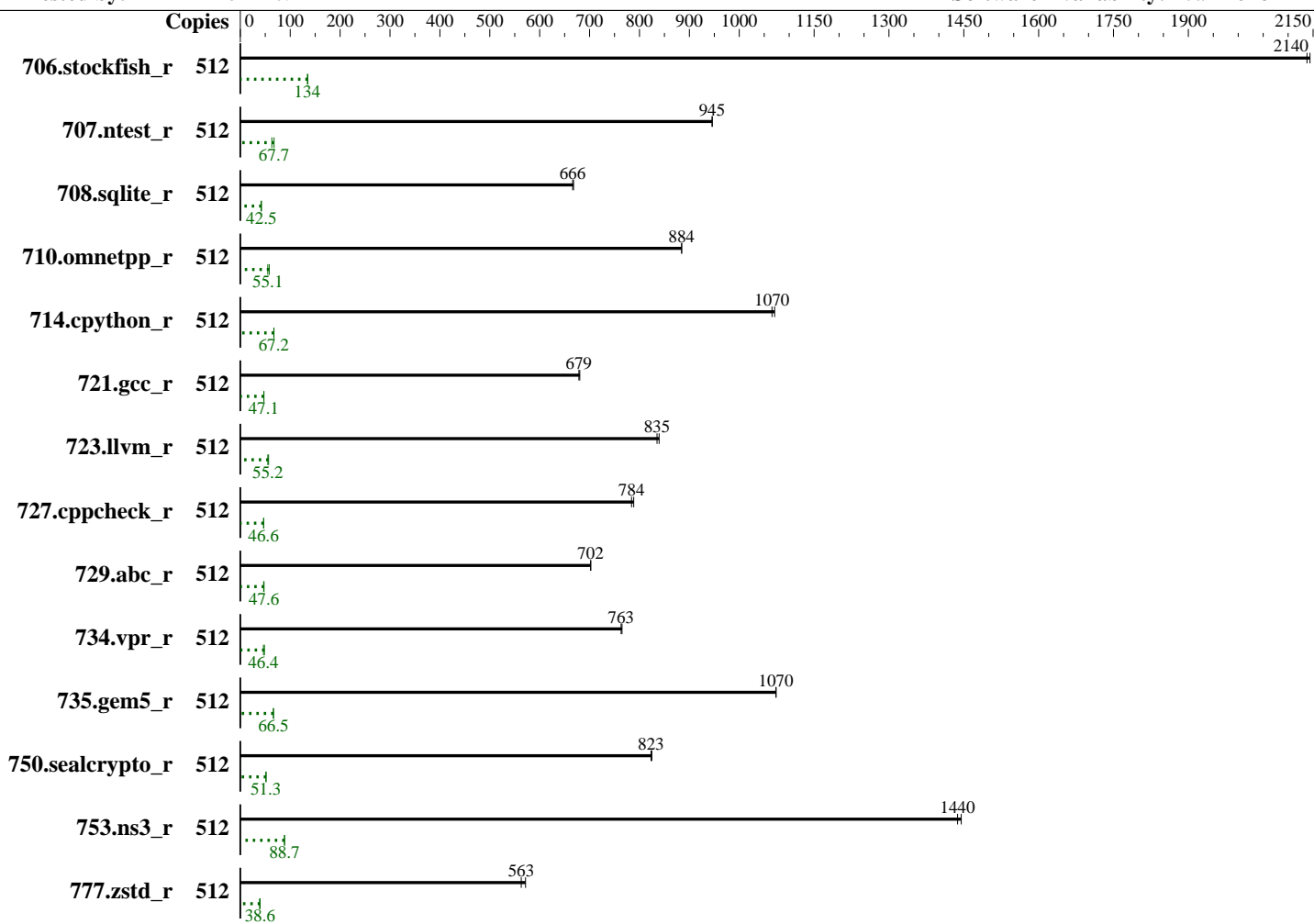
Test Sponsor: Dell Inc.

Tested by: Dell Inc.

Test Date: Feb-2026

Hardware Availability: Nov-2024

Software Availability: Jan-2026



Hardware

CPU Name: AMD EPYC 9755
 Max MHz: 4100
 Nominal: 2700
 Enabled: 256 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: 512 MB I+D on chip per chip, 32 MB shared / 8 cores
 Other: None
 Memory: 1536 GB (24 x 64 GB 2Rx4 PC5-6400B-R)

(Continued on next page)

Software

OS: Ubuntu 24.04 LTS
 6.8.0-87-generic
 Compiler: C/C++/Fortran: Version 5.1.0 of AOCC
 Compiler Category: Vendor
 Firmware: Version 1.5.3 released Oct-2025
 File System: tmpfs
 System State: Run level 3 (multi-user)
 Base Pointers: 64-bit
 Peak Pointers: 64-bit
 Other: None
 Power Management: BIOS and OS set to balanced performance



SPEC CPU®2026 Integer Rate Result

Copyright 2026 Standard Performance Evaluation Corporation

Dell Inc.

PowerEdge R7725 (AMD EPYC 9755 128-Core Processor)

SPECrate®2026_int_base = 896
 SPECrate®2026_int_energy_base = 57.6
 SPECrate®2026_int_peak = 896
 SPECrate®2026_int_energy_peak = 57.6

CPU2026 License: 6573
Test Sponsor: Dell Inc.
Tested by: Dell Inc.

Test Date: Feb-2026
Hardware Availability: Nov-2024
Software Availability: Jan-2026

Hardware (Continued)

Storage: 260 GB on tmpfs
 Cooling: Air
 Other: None

Power

Max. Power (W): 1614.1
 Idle Power (W): 258.74
 Min. Temperature (C): 21.38
 Elevation (m): 255
 Line Standard: 220 V / 50 Hz / 1 phase / 3 wires
 Provisioning: Line-powered

Power Settings

Management FW: Version 1.20.80.50 of IDRAC
 Memory Mode: Normal

Power-Relevant Hardware

Power Supply: 1 x 3200 W (non-redundant)
 Details: 3200W Titanium Power supply DPN J0KHH
 Backplane: 8 x EDSFF E3.S NVMe
 Other Storage: 1 x NVMe E3 Drive
 Storage Model #s: NVMe CD8P E3.S 1.92TB
 NICs Installed: 1 x Intel E610-XT2 @ 10 Gbps (Dell P/N FC0HK)
 NICs Enabled (FW/OS): 2 / 1
 NICs Connected/Speed: 1 @ 10 Gb
 Other HW Model #s: 6 x performance fans

Power Analyzer

Power Analyzer: 192.168.0.5:8888
 Hardware Vendor: Yokogawa Meters and Instruments Corporation
 Model: YokogawaWT310E
 Serial Number: T11733386
 Input Connection: Default
 Metrology Institute: Tescom
 Calibration By: NIST
 Calibration Label: T126623
 Calibration Date: 13-Aug-2025
 PTDaemon® Version: 1.11.4 (5bcc369b; 2026-01-19)
 Setup Description: Connected to PSU1
 Current Ranges Used: 5A, 10A
 Voltage Range Used: 300V

Temperature Meter

Temperature Meter: 192.168.0.5:8889
 Hardware Vendor: Digi International Inc.
 Model: DigiWATCHPORT_H
 Serial Number: W13370940
 Input Connection: USB
 PTDaemon Version: 1.11.4 (5bcc369b; 2026-01-19)
 Setup Description: 25 mm in front of SUT main airflow intake

Base Results Table

Benchmark	Copies	Seconds	Ratio	Energy (kJ)	Energy Ratio	Average Power	Maximum Power	Seconds	Ratio	Energy (kJ)	Energy Ratio	Average Power	Maximum Power	Seconds	Ratio	Energy (kJ)	Energy Ratio	Average Power	Maximum Power
706.stockfish_r	512	302	2140	407	134	1350	1600	301	2140	405	135	1350	1590						
707.ntest_r	512	320	946	402	63.2	1250	1330	321	945	375	67.7	1170	1300						
708.sqlite_r	512	406	666	533	42.5	1310	1610	405	668	547	41.5	1350	1610						
710.omnetpp_r	512	281	885	361	58.0	1280	1480	281	884	380	55.1	1350	1470						
714.cpython_r	512	229	1070	304	67.5	1330	1490	230	1070	305	67.2	1330	1580						
721 gcc_r	512	518	679	629	47.1	1220	1440	516	680	625	47.4	1210	1440						

Table continues on next page. Results appear in the order in which they were run. Bold underlined text indicates a median measurement.



SPEC CPU®2026 Integer Rate Result

Copyright 2026 Standard Performance Evaluation Corporation

Dell Inc.

PowerEdge R7725 (AMD EPYC 9755 128-Core Processor)

SPECrate®2026_int_base = 896
 SPECrate®2026_int_energy_base = 57.6
 SPECrate®2026_int_peak = 896
 SPECrate®2026_int_energy_peak = 57.6

CPU2026 License: 6573

Test Sponsor: Dell Inc.

Tested by: Dell Inc.

Test Date: Feb-2026

Hardware Availability: Nov-2024

Software Availability: Jan-2026

Base Results Table (Continued)

Benchmark	Copies	Seconds	Ratio	Energy (kJ)	Energy Ratio	Average Power	Maximum Power	Seconds	Ratio	Energy (kJ)	Energy Ratio	Average Power	Maximum Power	Seconds	Ratio	Energy (kJ)	Energy Ratio	Average Power	Maximum Power
723.llvm_r	512	311	835	395	55.2	1270	1460	309	839	384	56.7	1240	1440						
727.cppcheck_r	512	233	788	329	46.9	1410	1590	234	784	331	46.6	1410	1580						
729.abc_r	512	335	702	414	47.6	1240	1420	335	702	421	46.8	1260	1460						
734.vpr_r	512	309	765	409	48.4	1320	1540	309	763	426	46.4	1380	1570						
735.gem5_r	512	232	1070	315	66.2	1360	1490	232	1070	314	66.5	1350	1510						
750.sealcrypto_r	512	333	825	447	51.8	1340	1460	333	823	452	51.3	1360	1460						
753.ns3_r	512	217	1440	298	88.6	1370	1490	218	1440	297	88.7	1360	1490						
777.zstd_r	512	577	572	697	39.7	1210	1540	586	563	717	38.6	1220	1540						

SPECrate®2026_int_base = 896

SPECrate®2026_int_energy_base = 57.6

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

Peak Results Table

Benchmark	Copies	Seconds	Ratio	Energy (kJ)	Energy Ratio	Average Power	Maximum Power	Seconds	Ratio	Energy (kJ)	Energy Ratio	Average Power	Maximum Power	Seconds	Ratio	Energy (kJ)	Energy Ratio	Average Power	Maximum Power
706.stockfish_r	512	302	2140	407	134	1350	1600	301	2140	405	135	1350	1590						
707.ntest_r	512	320	946	402	63.2	1250	1330	321	945	375	67.7	1170	1300						
708.sqlite_r	512	406	666	533	42.5	1310	1610	405	668	547	41.5	1350	1610						
710.omnetpp_r	512	281	885	361	58.0	1280	1480	281	884	380	55.1	1350	1470						
714.cpython_r	512	229	1070	304	67.5	1330	1490	230	1070	305	67.2	1330	1580						
721.gcc_r	512	518	679	629	47.1	1220	1440	516	680	625	47.4	1210	1440						
723.llvm_r	512	311	835	395	55.2	1270	1460	309	839	384	56.7	1240	1440						
727.cppcheck_r	512	233	788	329	46.9	1410	1590	234	784	331	46.6	1410	1580						
729.abc_r	512	335	702	414	47.6	1240	1420	335	702	421	46.8	1260	1460						
734.vpr_r	512	309	765	409	48.4	1320	1540	309	763	426	46.4	1380	1570						
735.gem5_r	512	232	1070	315	66.2	1360	1490	232	1070	314	66.5	1350	1510						
750.sealcrypto_r	512	333	825	447	51.8	1340	1460	333	823	452	51.3	1360	1460						
753.ns3_r	512	217	1440	298	88.6	1370	1490	218	1440	297	88.7	1360	1490						
777.zstd_r	512	577	572	697	39.7	1210	1540	586	563	717	38.6	1220	1540						

SPECrate®2026_int_peak = 896

SPECrate®2026_int_energy_peak = 57.6

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/>

Submit Notes

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



SPEC CPU®2026 Integer Rate Result

Copyright 2026 Standard Performance Evaluation Corporation

Dell Inc.

PowerEdge R7725 (AMD EPYC 9755 128-Core Processor)

SPECrate®2026_int_base =	896
SPECrate®2026_int_energy_base =	57.6
SPECrate®2026_int_peak =	896
SPECrate®2026_int_energy_peak =	57.6

CPU2026 License: 6573
Test Sponsor: Dell Inc.
Tested by: Dell Inc.

Test Date: Feb-2026
Hardware Availability: Nov-2024
Software Availability: Jan-2026

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,
 '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:
 LD_LIBRARY_PATH =
 "/mnt/ramdisk/cpu2026rc2/amd_rate_aocc510_znver5_A_lib/lib:/mnt/ramdisk/
 cpu2026rc2/amd_rate_aocc510_znver5_A_lib/lib32:"
 MALLOC_CONF = "retain:true"

General Notes

Binaries were compiled on a system with 2x AMD EPYC Venice256 CPU + 2TiB Memory using Ubuntu 24.04
 Benchmark run from a 260 GB ramdisk created with the cmd: "mount -t tmpfs -o size=260G tmpfs /mnt/ramdisk"

Platform Notes

BIOS Settings:
 DRAM Refresh Delay : Performance
 DIMM Self Healing on -
 Uncorrectable Memory Error : Disabled

 Virtualization Technology : Disabled
 NUMA Nodes per Socket : 4
 Custom cTDP : 450

(Continued on next page)



SPEC CPU®2026 Integer Rate Result

Copyright 2026 Standard Performance Evaluation Corporation

Dell Inc.

SPECrate®2026_int_base =	896
SPECrate®2026_int_energy_base =	57.6
SPECrate®2026_int_peak =	896
SPECrate®2026_int_energy_peak =	57.6

PowerEdge R7725 (AMD EPYC 9755 128-Core Processor)

CPU2026 License: 6573
Test Sponsor: Dell Inc.
Tested by: Dell Inc.

Test Date: Feb-2026
Hardware Availability: Nov-2024
Software Availability: Jan-2026

Platform Notes (Continued)

```

System Profile : Custom
C-States : Enabled
Memory Patrol Scrub : Disabled
PCI ASPM L1 Link -
Power Management : Enabled

```

```

Sysinfo program /mnt/ramdisk/cpu2026rc2/bin/sysinfo
Rev: 069f95da7e7f5d81b2ce48a82150e54f
running on SLR7736-R7725 Fri Feb 6 16:32:20 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 (255.4-1ubuntu8.8)
12. Services, from systemctl list-unit-files
13. Linux kernel boot-time arguments, from /proc/cmdline
14. cpupower frequency-info
15. sysctl
16. /sys/kernel/mm/transparent_hugepage
17. /sys/kernel/mm/transparent_hugepage/khugepaged
18. OS release
19. Disk information
20. /sys/devices/virtual/dmi/id
21. dmidecode
22. BIOS

```

1. uname -srvm
Linux 6.8.0-87-generic #88-Ubuntu SMP PREEMPT_DYNAMIC Sat Oct 11 09:28:41 UTC 2025 x86_64

```

(Continued on next page)



SPEC CPU®2026 Integer Rate Result

Copyright 2026 Standard Performance Evaluation Corporation

Dell Inc.

PowerEdge R7725 (AMD EPYC 9755 128-Core Processor)

SPECrate®2026_int_base =	896
SPECrate®2026_int_energy_base =	57.6
SPECrate®2026_int_peak =	896
SPECrate®2026_int_energy_peak =	57.6

CPU2026 License: 6573
Test Sponsor: Dell Inc.
Tested by: Dell Inc.

Test Date: Feb-2026
Hardware Availability: Nov-2024
Software Availability: Jan-2026

Platform Notes (Continued)

```
2. w
   16:32:20 up 2:56, 1 user, load average: 0.33, 18.81, 107.62
USER      TTY      FROM          LOGIN@      IDLE        JCPU      PCPU      WHAT
root      tty1    -             13:39      45.00s     3.37s     1.49s    /bin/bash ./amd_rate_aocc510_znver5_A1.sh
```

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

```
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                6188453
nofiles                1024
vmemory(kbytes)       unlimited
locks                  unlimited
rtprio                 0
```

```
5. sysinfo process ancestry
/sbin/init
/bin/login -p --
-bash
/bin/bash /home/DellFiles/bin/DELL_rate.sh
/bin/bash /home/DellFiles/bin/dell-run-main.sh rate
/bin/bash /home/DellFiles/bin/dell-run-main.sh rate
/bin/bash /home/DellFiles/bin/AMD/dell-run-speccpu.sh rate --define DL-VERS=7.0_T01 --output_format
html,pdf,txt
python3 ./run_amd_rate_aocc510_znver5_A1.py
/bin/bash ./amd_rate_aocc510_znver5_A1.sh
runcpu --config amd_rate_aocc510_znver5_A1.cfg --tune base --reportable --iterations 2 --define
DL-VERS=7.0_T01 --output_format html,pdf,txt intrate
runcpu --configfile amd_rate_aocc510_znver5_A1.cfg --tune base --reportable --iterations 2 --define
DL-VERS=7.0_T01 --output_format html,pdf,txt --runmode rate --tune base --size test:train:refrate intrate
--nopreenv --note-preenv --logfile $SPEC/tmp/CPU2026.001/templogs/preenv.intrate.001.0.log --lognum 001.0
--from_runcpu 2
specperl $SPEC/bin/sysinfo
$SPEC = /mnt/ramdisk/cpu2026rc2
```

(Continued on next page)



SPEC CPU®2026 Integer Rate Result

Copyright 2026 Standard Performance Evaluation Corporation

Dell Inc.

PowerEdge R7725 (AMD EPYC 9755 128-Core Processor)

SPECrate®2026_int_base =	896
SPECrate®2026_int_energy_base =	57.6
SPECrate®2026_int_peak =	896
SPECrate®2026_int_energy_peak =	57.6

CPU2026 License: 6573
Test Sponsor: Dell Inc.
Tested by: Dell Inc.

Test Date: Feb-2026
Hardware Availability: Nov-2024
Software Availability: Jan-2026

Platform Notes (Continued)

```

6. /proc/cpuinfo
   model name      : AMD EPYC 9755 128-Core Processor
   vendor_id       : AuthenticAMD
   cpu family      : 26
   model           : 2
   stepping        : 1
   microcode       : 0xb00215a
   bugs            : sysret_ss_attrs spectre_v1 spectre_v2 spec_store_bypass
   TLB size        : 192 4K pages
   cpu cores       : 128
   siblings        : 256
   2 physical ids (chips)
   512 processors (hardware threads)
   physical id 0:  core ids 0-127
   physical id 1:  core ids 0-127
   physical id 0:  apicids 0-255
   physical id 1:  apicids 256-511

```

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):                512
On-line CPU(s) list:   0-511
Vendor ID:             AuthenticAMD
BIOS Vendor ID:       AMD
Model name:            AMD EPYC 9755 128-Core Processor
BIOS Model name:      AMD EPYC 9755 128-Core Processor      CPU @ 2.7GHz
BIOS CPU family:      107
CPU family:            26
Model:                 2
Thread(s) per core:   2
Core(s) per socket:   128
Socket(s):             2
Stepping:              1
CPU(s) scaling MHz:   61%
CPU max MHz:           2700.0000
CPU min MHz:           1500.0000

```

(Continued on next page)



SPEC CPU®2026 Integer Rate Result

Copyright 2026 Standard Performance Evaluation Corporation

Dell Inc.

PowerEdge R7725 (AMD EPYC 9755 128-Core Processor)

SPECrate®2026_int_base = 896
 SPECrate®2026_int_energy_base = 57.6
 SPECrate®2026_int_peak = 896
 SPECrate®2026_int_energy_peak = 57.6

CPU2026 License: 6573
Test Sponsor: Dell Inc.
Tested by: Dell Inc.

Test Date: Feb-2026
Hardware Availability: Nov-2024
Software Availability: Jan-2026

Platform Notes (Continued)

BogoMIPS: 5392.51
 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 rdtscp 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 svm extapic cr8_legacy abm sse4a misalignsse 3dnowprefetch osvw ibs skinit wdt tce topoext perfctr_core perfctr_nb bpeext perfctr_llc mwaitx 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 xsaveerpr 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 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_lld debug_swap

Virtualization: AMD-V
 L1d cache: 12 MiB (256 instances)
 L1i cache: 8 MiB (256 instances)
 L2 cache: 256 MiB (256 instances)
 L3 cache: 1 GiB (32 instances)
 NUMA node(s): 8
 NUMA node0 CPU(s): 0-31,256-287
 NUMA node1 CPU(s): 32-63,288-319
 NUMA node2 CPU(s): 64-95,320-351
 NUMA node3 CPU(s): 96-127,352-383
 NUMA node4 CPU(s): 128-159,384-415
 NUMA node5 CPU(s): 160-191,416-447
 NUMA node6 CPU(s): 192-223,448-479
 NUMA node7 CPU(s): 224-255,480-511
 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

(Continued on next page)



SPEC CPU®2026 Integer Rate Result

Copyright 2026 Standard Performance Evaluation Corporation

Dell Inc.

PowerEdge R7725 (AMD EPYC 9755 128-Core Processor)

SPECrate®2026_int_base = 896
 SPECrate®2026_int_energy_base = 57.6
 SPECrate®2026_int_peak = 896
 SPECrate®2026_int_energy_peak = 57.6

CPU2026 License: 6573
Test Sponsor: Dell Inc.
Tested by: Dell Inc.

Test Date: Feb-2026
Hardware Availability: Nov-2024
Software Availability: Jan-2026

Platform Notes (Continued)

Vulnerability Spectre v1: Mitigation; usercopy/swapgs 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
 Vulnerability Vmscape: Not affected

From lscpu --cache:

NAME	ONE-SIZE	ALL-SIZE	WAYS	TYPE	LEVEL	SETS	PHY-LINE	COHERENCY-SIZE
L1d	48K	12M	12	Data	1	64	1	64
L1i	32K	8M	8	Instruction	1	64	1	64
L2	1M	256M	16	Unified	2	1024	1	64
L3	32M	1G	16	Unified	3	32768	1	64

8. numactl --hardware

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

```
available: 8 nodes (0-7)
node 0 cpus: 0-31,256-287
node 0 size: 192729 MB
node 0 free: 190856 MB
node 1 cpus: 32-63,288-319
node 1 size: 193510 MB
node 1 free: 179744 MB
node 2 cpus: 64-95,320-351
node 2 size: 193510 MB
node 2 free: 192540 MB
node 3 cpus: 96-127,352-383
node 3 size: 193450 MB
node 3 free: 192374 MB
node 4 cpus: 128-159,384-415
node 4 size: 193510 MB
node 4 free: 192534 MB
node 5 cpus: 160-191,416-447
node 5 size: 193510 MB
node 5 free: 192467 MB
node 6 cpus: 192-223,448-479
node 6 size: 193510 MB
node 6 free: 192544 MB
node 7 cpus: 224-255,480-511
node 7 size: 193459 MB
node 7 free: 192403 MB
node distances:
node  0  1  2  3  4  5  6  7
  0: 10 12 12 12 32 32 32 32
```

(Continued on next page)



SPEC CPU®2026 Integer Rate Result

Copyright 2026 Standard Performance Evaluation Corporation

Dell Inc.

PowerEdge R7725 (AMD EPYC 9755 128-Core Processor)

SPECrate®2026_int_base = 896
 SPECrate®2026_int_energy_base = 57.6
 SPECrate®2026_int_peak = 896
 SPECrate®2026_int_energy_peak = 57.6

CPU2026 License: 6573
 Test Sponsor: Dell Inc.
 Tested by: Dell Inc.

Test Date: Feb-2026
 Hardware Availability: Nov-2024
 Software Availability: Jan-2026

Platform Notes (Continued)

```

1:  12  10  12  12  32  32  32  32
2:  12  12  10  12  32  32  32  32
3:  12  12  12  10  32  32  32  32
4:  32  32  32  32  10  12  12  12
5:  32  32  32  32  12  10  12  12
6:  32  32  32  32  12  12  10  12
7:  32  32  32  32  12  12  12  10
  
```

```

-----
9. /proc/meminfo
   MemTotal:          1584323048 kB
  
```

```

-----
10. who -r
    run-level 3 Feb 6 13:36
  
```

```

-----
11. Systemd service manager version: systemd 255 (255.4-lubuntu8.8)
    Default Target   Status
    multi-user       running
  
```

```

-----
12. Services, from systemctl list-unit-files
    STATE          UNIT FILES
    enabled        apparmor apport blk-availability cloud-config cloud-final cloud-init cloud-init-local
                   console-setup cron e2scrub_reap finalrd getty@ gpu-manager grub-common
                   grub-initrd-fallback keyboard-setup lm-sensors lvm2-monitor multipathd networkd-dispatcher
                   open-iscsi pollinate secureboot-db setvtrgb systemd-networkd systemd-networkd-wait-online
                   systemd-pstore systemd-resolved systemd-timesyncd thermald
    enabled-runtime netplan-ovs-cleanup systemd-fsck-root systemd-remount-fs
    disabled       console-getty debug-shell iscsid 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
    masked         cryptdisks cryptdisks-early hwclock multipath-tools-boot sudo x11-common
  
```

```

-----
13. Linux kernel boot-time arguments, from /proc/cmdline
    BOOT_IMAGE=/boot/vmlinuz-6.8.0-87-generic
    root=UUID=a7565640-059d-4a86-afc8-58cd1cadb778
    ro
  
```

(Continued on next page)



SPEC CPU®2026 Integer Rate Result

Copyright 2026 Standard Performance Evaluation Corporation

Dell Inc.

PowerEdge R7725 (AMD EPYC 9755 128-Core Processor)

SPECrate®2026_int_base =	896
SPECrate®2026_int_energy_base =	57.6
SPECrate®2026_int_peak =	896
SPECrate®2026_int_energy_peak =	57.6

CPU2026 License: 6573
Test Sponsor: Dell Inc.
Tested by: Dell Inc.

Test Date: Feb-2026
Hardware Availability: Nov-2024
Software Availability: Jan-2026

Platform Notes (Continued)

```
-----
14. cpupower frequency-info
   analyzing CPU 65:
     current policy: frequency should be within 1.50 GHz and 2.70 GHz.
                       The governor "schedutil" may decide which speed to use
                       within this range.

     boost state support:
       Supported: no
       Active: no
       Boost States: 0
       Total States: 3
       Pstate-P0: 2700MHz
-----
```

```
-----
15. 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
-----
```

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

```
-----
17. /sys/kernel/mm/transparent_hugepage/khugepaged
alloc_sleep_millisecs 60000
-----
```

(Continued on next page)



SPEC CPU®2026 Integer Rate Result

Copyright 2026 Standard Performance Evaluation Corporation

Dell Inc.

PowerEdge R7725 (AMD EPYC 9755 128-Core Processor)

SPECrate®2026_int_base =	896
SPECrate®2026_int_energy_base =	57.6
SPECrate®2026_int_peak =	896
SPECrate®2026_int_energy_peak =	57.6

CPU2026 License: 6573
Test Sponsor: Dell Inc.
Tested by: Dell Inc.

Test Date: Feb-2026
Hardware Availability: Nov-2024
Software Availability: Jan-2026

Platform Notes (Continued)

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

18. OS release
From /etc/*-release /etc/*-version
os-release Ubuntu 24.04 LTS

19. Disk information
SPEC is set to: /mnt/ramdisk/cpu2026rc2

Filesystem	Type	Size	Used	Avail	Use%	Mounted on
tmpfs	tmpfs	260G	11G	250G	4%	/mnt/ramdisk

20. /sys/devices/virtual/dmi/id
Vendor: Dell Inc.
Product: PowerEdge R7725
Product Family: PowerEdge
Serial: SLR7736

21. 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:
24x 80AD000080AD HMC94AHBRA277N 64 GB 2 rank 6400

22. 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



SPEC CPU®2026 Integer Rate Result

Copyright 2026 Standard Performance Evaluation Corporation

Dell Inc.

PowerEdge R7725 (AMD EPYC 9755 128-Core Processor)

SPECrate®2026_int_base =	896
SPECrate®2026_int_energy_base =	57.6
SPECrate®2026_int_peak =	896
SPECrate®2026_int_energy_peak =	57.6

CPU2026 License: 6573
Test Sponsor: Dell Inc.
Tested by: Dell Inc.

Test Date: Feb-2026
Hardware Availability: Nov-2024
Software Availability: Jan-2026

Compiler Version Notes

```
=====  
C      | 708.sqlite_r(base) 714.cpython_r(base) 777.zstd_r(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++   | 706.stockfish_r(base) 707.ntest_r(base) 727.cppcheck_r(base)  
      | 753.ns3_r(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 | 710.omnetpp_r(base) 721.gcc_r(base) 723.llvm_r(base) 729.abc_r(base)  
      | 734.vpr_r(base) 735.gem5_r(base) 750.sealcrypto_r(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  
-----
```

Base Compiler Invocation

C benchmarks:
clang

C++ benchmarks:
clang++

Benchmarks using both C and C++:
clang++ clang



SPEC CPU®2026 Integer Rate Result

Copyright 2026 Standard Performance Evaluation Corporation

Dell Inc.

PowerEdge R7725 (AMD EPYC 9755 128-Core Processor)

SPECrate®2026_int_base =	896
SPECrate®2026_int_energy_base =	57.6
SPECrate®2026_int_peak =	896
SPECrate®2026_int_energy_peak =	57.6

CPU2026 License: 6573
Test Sponsor: Dell Inc.
Tested by: Dell Inc.

Test Date: Feb-2026
Hardware Availability: Nov-2024
Software Availability: Jan-2026

Base Portability Flags

```
706.stockfish_r: -DSPEC_LP64
707.ntest_r: -DSPEC_LP64
708.sqlite_r: -DSPEC_LP64
710.omnetpp_r: -DSPEC_LP64
714.cpython_r: -DSPEC_LP64
721.gcc_r: -DSPEC_LP64
723.llvm_r: -DSPEC_LP64
727.cppcheck_r: -DSPEC_LP64
729.abc_r: -DSPEC_LP64
734.vpr_r: -DSPEC_LP64
735.gem5_r: -DSPEC_LP64
750.sealcrypto_r: -DSPEC_LP64
753.ns3_r: -DSPEC_LP64
777.zstd_r: -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
-Wl,-mllvm -Wl,-ldist-scalar-expand -fenable-aggressive-gather
-Wl,-mllvm -Wl,-extra-inliner -O3 -march=znver5 -fveclib=AMDLIBM
-fno-PIE -no-pie -flto -fstruct-layout=7 -mllvm -unroll-threshold=50
-mllvm -inline-threshold=1000 -fremap-arrays -fstrip-mining
-mllvm -reduce-array-computations=3 -zopt -lamdlibm -lflang
-lamdalloc
```

C++ benchmarks:

```
-m64 -std=c++17 -Wl,-mllvm -Wl,-align-all-nofallthru-blocks=6
-Wl,-mllvm -Wl,-reduce-array-computations=3 -O3 -march=znver5
-fveclib=AMDLIBM -flto -mllvm -unroll-threshold=100
-mllvm -loop-unswitch-threshold=200000
-mllvm -reduce-array-computations=3 -zopt -fno-PIE -no-pie
-fvirtual-function-elimination -fvisibility=hidden -lamdlibm -lflang
-lamdalloc
```

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 -march=znver5
-fveclib=AMDLIBM -fno-PIE -no-pie -flto -fstruct-layout=7
-mllvm -unroll-threshold=50 -mllvm -inline-threshold=1000
-fremap-arrays -fstrip-mining -mllvm -reduce-array-computations=3
```

(Continued on next page)



SPEC CPU®2026 Integer Rate Result

Copyright 2026 Standard Performance Evaluation Corporation

Dell Inc.

PowerEdge R7725 (AMD EPYC 9755 128-Core Processor)

SPECrate®2026_int_base =	896
SPECrate®2026_int_energy_base =	57.6
SPECrate®2026_int_peak =	896
SPECrate®2026_int_energy_peak =	57.6

CPU2026 License: 6573
Test Sponsor: Dell Inc.
Tested by: Dell Inc.

Test Date: Feb-2026
Hardware Availability: Nov-2024
Software Availability: Jan-2026

Base Optimization Flags (Continued)

Benchmarks using both C and C++ (continued):

```
-zopt -mllvm -unroll-threshold=100
-mllvm -loop-unswitch-threshold=200000 -fvirtual-function-elimination
-fvisibility=hidden -lamdlibm -lflang -lamdalloc
```

Peak Optimization Flags

C benchmarks:

708.sqlite_r: basepeak = yes

714.cpython_r: basepeak = yes

777.zstd_r: basepeak = yes

C++ benchmarks:

706.stockfish_r: basepeak = yes

707.ntest_r: basepeak = yes

727.cppcheck_r: basepeak = yes

753.ns3_r: basepeak = yes

Benchmarks using both C and C++:

710.omnetpp_r: basepeak = yes

721.gcc_r: basepeak = yes

723.llvm_r: basepeak = yes

729.abc_r: basepeak = yes

734.vpr_r: basepeak = yes

735.gem5_r: basepeak = yes

750.sealcrypto_r: basepeak = yes



SPEC CPU®2026 Integer Rate Result

Copyright 2026 Standard Performance Evaluation Corporation

Dell Inc.

SPECrate®2026_int_base =	896
SPECrate®2026_int_energy_base =	57.6
SPECrate®2026_int_peak =	896
SPECrate®2026_int_energy_peak =	57.6

PowerEdge R7725 (AMD EPYC 9755 128-Core Processor)

CPU2026 License: 6573
Test Sponsor: Dell Inc.
Tested by: Dell Inc.

Test Date: Feb-2026
Hardware Availability: Nov-2024
Software Availability: Jan-2026

The flags files that were used to format this result can be browsed at
<http://www.spec.org/cpu2026/results/flags/aocc-flags.2026-05-04.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.2026-05-04.xml>
<http://www.spec.org/cpu2026/results/flags/Dell-Platform-Flags-PowerEdge-AMD-EPYC-v1.8.xml>

PTDaemon, SPEC CPU, and SPECrate are registered trademarks of the Standard Performance Evaluation Corporation. All other brand and product names appearing in this result are trademarks or registered trademarks of their respective holders.

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

Tested with SPEC CPU®2026 v0.902.0 on 2026-02-06 11:32:20-0500.
 Report generated on 2026-05-04 23:29:41 by CPU2026 PDF formatter (unknown).
 Originally published on 2026-05-05.