



SPEC CPU®2026 Integer Speed Result

Copyright 2026 Standard Performance Evaluation Corporation

Lenovo Global Technology

ThinkSystem SR650 V3
(1.90 GHz, Intel Xeon Platinum 8592+)

SPECspeed®2026_int_base = 6.52

SPECspeed®2026_int_peak = Not Run

CPU2026 License: 9017

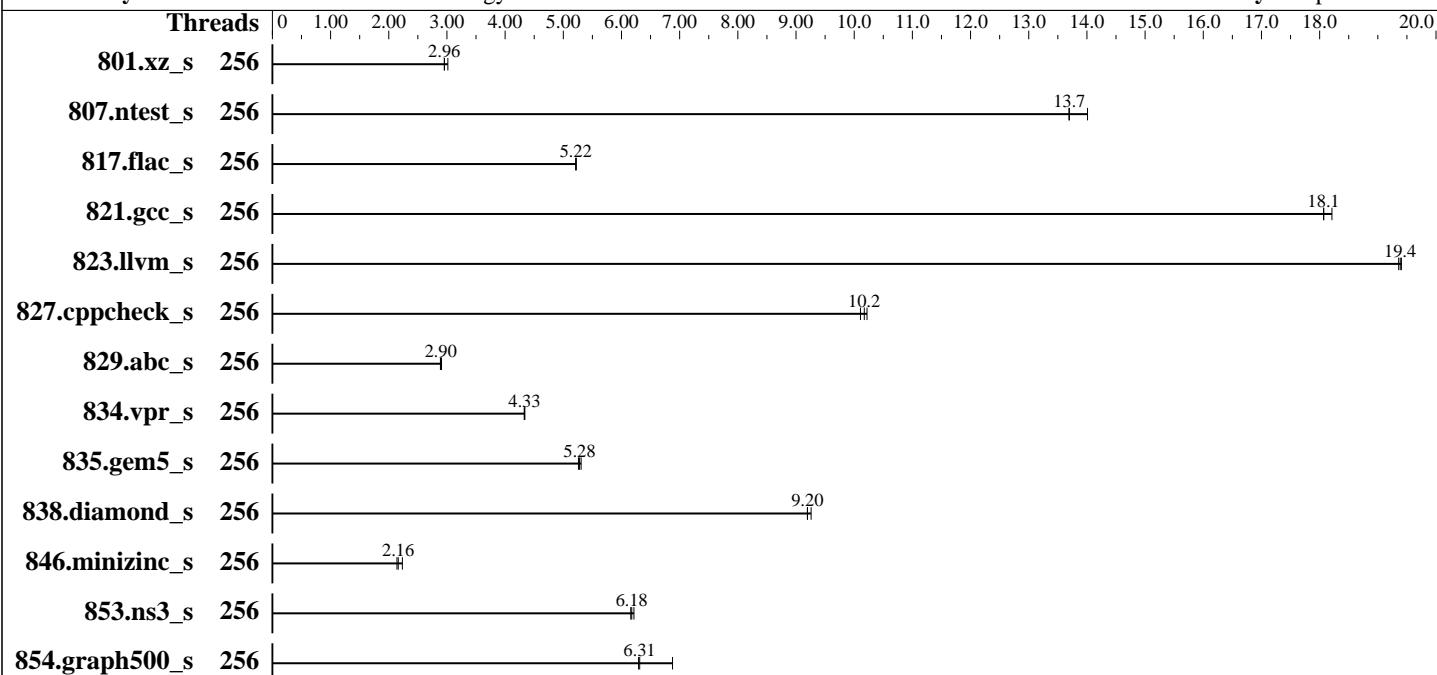
Test Sponsor: Lenovo Global Technology

Tested by: Lenovo Global Technology

Test Date: May-2026

Hardware Availability: Feb-2024

Software Availability: Apr-2026



Hardware

CPU Name: Intel Xeon Platinum 8592+
 Max MHz: 3900
 Nominal: 1900
 Enabled: 128 cores, 2 chips, 2 threads/core
 Orderable: 1,2 chips
 Cache L1: 32 KB I + 48 KB D on chip per core
 L2: 2 MB I+D on chip per core
 L3: 320 MB I+D on chip per chip
 Other: None
 Memory: 512 GB (16 x 32 GB 2Rx8 PC5-5600B-R)
 Storage: 1 x 480 GB SATA SSD
 Cooling: Air
 Other: None

Software

OS: SUSE Linux Enterprise Server 16.0
 Kernel 6.12.0-160000.5-default
 Compiler: C/C++: Version 2026.0 of Intel oneAPI DPC++/C++ Compiler for Linux;
 Fortran: Version 2026.0 of Intel Fortran Compiler for Linux
 Compiler Category: Vendor
 Firmware: Lenovo BIOS Version ESE139E 3.90 released May-2026
 File System: btrfs
 System State: Run level 3 (multi-user)
 Base Pointers: 64-bit
 Peak Pointers: Not Applicable
 Other: jemalloc memory allocator v5.3
 Power Management: BIOS and OS set to prefer performance at the cost of additional power usage



SPEC CPU®2026 Integer Speed Result

Copyright 2026 Standard Performance Evaluation Corporation

Lenovo Global Technology

ThinkSystem SR650 V3
(1.90 GHz, Intel Xeon Platinum 8592+)

SPECspeed®2026_int_base = 6.52

SPECspeed®2026_int_peak = Not Run

CPU2026 License: 9017

Test Sponsor: Lenovo Global Technology

Tested by: Lenovo Global Technology

Test Date: May-2026

Hardware Availability: Feb-2024

Software Availability: Apr-2026

Results Table

Benchmark	Base							Peak						
	Threads	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Threads	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
801.xz_s	256	200	2.96	196	3.02	200	2.96							
807.ntest_s	256	83.3	13.7	81.4	14.0	83.2	13.7							
817.flac_s	256	333	5.22	333	5.21	333	5.22							
821.gcc_s	256	114	18.2	115	18.1	115	18.1							
823.llvm_s	256	72.9	19.4	72.7	19.4	72.8	19.4							
827.cppcheck_s	256	111	10.1	110	10.2	109	10.2							
829.abc_s	256	286	2.91	287	2.90	288	2.89							
834.vpr_s	256	220	4.33	220	4.33	220	4.34							
835.gem5_s	256	217	5.26	215	5.31	216	5.28							
838.diamond_s	256	108	9.26	109	9.20	109	9.20							
846.minizinc_s	256	310	2.16	313	2.14	300	2.23							
853.ns3_s	256	186	6.21	187	6.18	187	6.16							
854.graph500_s	256	97.1	6.29	96.8	6.31	88.8	6.88							

SPECspeed®2026_int_base = 6.52

SPECspeed®2026_int_peak = Not Run

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

Operating System Notes

Stack size set to unlimited using "ulimit -s unlimited"

Environment Variables Notes

Environment variables set by runcpu before the start of the run:

KMP_AFFINITY = "granularity=fine,scatter"

LD_LIBRARY_PATH = "/home/cpu2026-1.0.1-ic2026.0/lib"

MALLOC_CONF = "retain:true"

OMP_STACKSIZE = "192M"

General Notes

Binaries compiled on a system with 2x Intel Xeon Platinum 8280M CPU + 384GB RAM memory using CentOS Stream 9.

Transparent Huge Pages enabled by default

Prior to runcpu invocation

Filesystem page cache synced and cleared with:

```
sync; echo 3> /proc/sys/vm/drop_caches
```

NA: The test sponsor attests, as of date of publication, that CVE-2017-5754 (Meltdown) is mitigated in the system as tested and documented.

Yes: The test sponsor attests, as of date of publication, that CVE-2017-5753 (Spectre variant 1) is mitigated in the system as tested and documented.

(Continued on next page)



SPEC CPU®2026 Integer Speed Result

Copyright 2026 Standard Performance Evaluation Corporation

Lenovo Global Technology

SPECspeed®2026_int_base = 6.52

ThinkSystem SR650 V3
(1.90 GHz, Intel Xeon Platinum 8592+)

SPECspeed®2026_int_peak = Not Run

CPU2026 License: 9017

Test Date: May-2026

Test Sponsor: Lenovo Global Technology

Hardware Availability: Feb-2024

Tested by: Lenovo Global Technology

Software Availability: Apr-2026

General Notes (Continued)

Yes: The test sponsor attests, as of date of publication, that CVE-2017-5715 (Spectre variant 2) is mitigated in the system as tested and documented.

jemalloc, a general purpose malloc implementation

built with the CentOS Stream 9, and the system compiler gcc 11.5.0

sources available from jemalloc.net or <https://github.com/jemalloc/jemalloc/releases>

Platform Notes

BIOS configuration:

Choose Operating Mode set to Maximum Performance and then set it to Custom Mode

SNC set to SNC2

CPU P-state Control set to Legacy

C-States set to Legacy

Misc set to Option4

Sysinfo program /home/cpu2026-1.0.1-ic2026.0/bin/sysinfo

Rev: 779ab21020787073335a329f3a45e2cd

running on localhost Thu May 28 10:39:22 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. Systemd service manager version: systemd 257 (257.7+suse.19.ga0dfd5de4c)
 11. Services, from systemctl list-unit-files
 12. Linux kernel boot-time arguments, from /proc/cmdline
 13. cpupower frequency-info
 14. sysctl
 15. /sys/kernel/mm/transparent_hugepage
 16. /sys/kernel/mm/transparent_hugepage/khugepaged
 17. OS release
 18. Disk information
 19. /sys/devices/virtual/dmi/id
 20. dmidecode
 21. BIOS
-

(Continued on next page)



SPEC CPU®2026 Integer Speed Result

Copyright 2026 Standard Performance Evaluation Corporation

Lenovo Global Technology

SPECspeed®2026_int_base = 6.52

ThinkSystem SR650 V3
(1.90 GHz, Intel Xeon Platinum 8592+)

SPECspeed®2026_int_peak = Not Run

CPU2026 License: 9017

Test Date: May-2026

Test Sponsor: Lenovo Global Technology

Hardware Availability: Feb-2024

Tested by: Lenovo Global Technology

Software Availability: Apr-2026

Platform Notes (Continued)

1. `uname -srvm`

```
Linux 6.12.0-160000.5-default #1 SMP PREEMPT_DYNAMIC Wed Sep 10 15:26:25 UTC 2025 (3545bbd) x86_64
```

2. `w`

```
10:39:22 up 9 min, 1 user, load average: 0.09, 0.31, 0.23
USER      TTY      FROM          LOGIN@      IDLE        JCPU      PCPU      WHAT
root             172.30.81.13  10:39              0.00s    0.02s  sshd-session: root [priv]
```

3. Username

```
From environment variable $USER: root
```

4. `ulimit -a`

```
real-time non-blocking time (microseconds, -R) unlimited
core file size              (blocks, -c) unlimited
data seg size               (kbytes, -d) unlimited
scheduling priority         (-e) 0
file size                   (blocks, -f) unlimited
pending signals             (-i) 2061249
max locked memory           (kbytes, -l) 8192
max memory size             (kbytes, -m) unlimited
open files                  (-n) 1024
pipe size                   (512 bytes, -p) 8
POSIX message queues        (bytes, -q) 819200
real-time priority          (-r) 0
stack size                  (kbytes, -s) unlimited
cpu time                    (seconds, -t) unlimited
max user processes          (-u) 2061249
virtual memory              (kbytes, -v) unlimited
file locks                  (-x) unlimited
```

5. `sysinfo process ancestry`

```
/usr/lib/systemd/systemd --switched-root --system --deserialize=47
sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups
sshd-session: root [priv]
sshd-session: root@notty
/bin/bash ./02.remote_local_SPECcpu_1.02.sh
sh Run542-compliant-ic2026.0-lin-sapphirerapids-speedint-base-smt-on-20260429.sh
runcpu --nobuild --iterations=3 --reportable --action validate --define default-platform-flags -c
ic2026.0-sapphirerapids-cpu2026-1.0.1-speed-20260429.cfg --threads 256 --define cores=128 --tune base -o
all --define intspeeraffinity --define smt-on --define drop_caches intspeer
runcpu --nobuild --iterations 3 --reportable --action validate --define default-platform-flags --configfile
```

(Continued on next page)



SPEC CPU®2026 Integer Speed Result

Copyright 2026 Standard Performance Evaluation Corporation

Lenovo Global Technology

SPECspeed®2026_int_base = 6.52

ThinkSystem SR650 V3
(1.90 GHz, Intel Xeon Platinum 8592+)

SPECspeed®2026_int_peak = Not Run

CPU2026 License: 9017

Test Date: May-2026

Test Sponsor: Lenovo Global Technology

Hardware Availability: Feb-2024

Tested by: Lenovo Global Technology

Software Availability: Apr-2026

Platform Notes (Continued)

```
ic2026.0-sapphirerapids-cpu2026-1.0.1-speed-20260429.cfg --threads 256 --define cores=128 --tune base
--output_format all --define intspeedaffinity --define smt-on --define drop_caches --nopower --runmode
speed --tune base --size refspeed intspeed --nopreenv --note-preenv --logfile
$SPEC/tmp/CPU2026.013/templogs/preenv.intspeed.013.0.log --lognum 013.0 --from_runcpu 2
specperl $SPEC/bin/sysinfo
$SPEC = /home/cpu2026-1.0.1-ic2026.0
```

```
-----
6. /proc/cpuinfo
model name      : INTEL(R) XEON(R) PLATINUM 8592+
vendor_id      : GenuineIntel
cpu family     : 6
model          : 207
stepping       : 2
microcode      : 0x210002d3
bugs           : spectre_v1 spectre_v2 spec_store_bypass swapgs eibrs_pbrsb bhi spectre_v2_user
cpu cores      : 64
siblings       : 128
2 physical ids (chips)
256 processors (hardware threads)
physical id 0: core ids 0-63
physical id 1: core ids 0-63
physical id 0: apicids 0-127
physical id 1: apicids 128-255
```

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 2.41.1:
Architecture:          x86_64
CPU op-mode(s):        32-bit, 64-bit
Address sizes:         46 bits physical, 57 bits virtual
Byte Order:            Little Endian
CPU(s):                256
On-line CPU(s) list:   0-255
Vendor ID:              GenuineIntel
Model name:            INTEL(R) XEON(R) PLATINUM 8592+
CPU family:            6
Model:                 207
Thread(s) per core:    2
Core(s) per socket:    64
Socket(s):             2
Stepping:              2
CPU(s) scaling MHz:    21%
CPU max MHz:           3900.0000
```

(Continued on next page)



SPEC CPU®2026 Integer Speed Result

Copyright 2026 Standard Performance Evaluation Corporation

Lenovo Global Technology

SPECspeed®2026_int_base = 6.52

ThinkSystem SR650 V3
(1.90 GHz, Intel Xeon Platinum 8592+)

SPECspeed®2026_int_peak = Not Run

CPU2026 License: 9017

Test Date: May-2026

Test Sponsor: Lenovo Global Technology

Hardware Availability: Feb-2024

Tested by: Lenovo Global Technology

Software Availability: Apr-2026

Platform Notes (Continued)

```

CPU min MHz:                800.0000
BogoMIPS:                   3800.00
Flags:                       fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat
                             pse36 clflush dts acpi mmx fxsr sse sse2 ss ht tm pbe syscall nx
                             pdpe1gb rdtscp lm constant_tsc art arch_perfmon pebs bts rep_good
                             nopl xtopology nonstop_tsc cpuid aperfmperf tsc_known_freq pni
                             pclmulqdq dtes64 monitor ds_cpl smx est tm2 ssse3 sdbg fma cx16
                             xtpr pdcm pcid dca sse4_1 sse4_2 x2apic movbe popcnt
                             tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm abm
                             3dnowprefetch cpuid_fault epb cat_l3 cat_l2 cdp_l3 intel_ppin
                             cdp_l2 ssbd mba ibrs ibpb stibp ibrs_enhanced fsgsbase tsc_adjust
bmi1 avx2 smep bmi2 erms invpcid cqm rdt_a avx512f avx512dq rdseed
                             adx smap avx512ifma clflushopt clwb intel_pt avx512cd sha_ni
                             avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm_llc
                             cqm_occup_llc cqm_mbm_total cqm_mbm_local split_lock_detect
                             user_shstk avx_vnni avx512_bf16 wbnoinvd dtherm ida arat pln pts
                             avx512vbmi umip pku ospke waitpkg avx512_vbmi2 gfni vaes
                             vpcplmulqdq avx512_vnni avx512_bitalg avx512_vpopcntdq la57 rdpid
                             bus_lock_detect cldemote movdiri movdir64b enqcmd fsrm md_clear
                             serialize tsxldtrk pconfig arch_lbr ibt amx_bf16 avx512_fp16
                             amx_tile amx_int8 flush_lld arch_capabilities
L1d cache:                   6 MiB (128 instances)
L1i cache:                   4 MiB (128 instances)
L2 cache:                    256 MiB (128 instances)
L3 cache:                    640 MiB (2 instances)
NUMA node(s):                4
NUMA node0 CPU(s):          0-31,128-159
NUMA node1 CPU(s):          32-63,160-191
NUMA node2 CPU(s):          64-95,192-223
NUMA node3 CPU(s):          96-127,224-255
Vulnerability Gather data sampling: Not affected
Vulnerability Indirect target selection: 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;
                             PBR SB-eIBRS SW sequence; BHI BHI_DIS_S
Vulnerability Srbds: Not affected
Vulnerability Tsa: Not affected

```

(Continued on next page)



SPEC CPU®2026 Integer Speed Result

Copyright 2026 Standard Performance Evaluation Corporation

Lenovo Global Technology

ThinkSystem SR650 V3
(1.90 GHz, Intel Xeon Platinum 8592+)

SPECspeed®2026_int_base = 6.52

SPECspeed®2026_int_peak = Not Run

CPU2026 License: 9017

Test Sponsor: Lenovo Global Technology

Tested by: Lenovo Global Technology

Test Date: May-2026

Hardware Availability: Feb-2024

Software Availability: Apr-2026

Platform Notes (Continued)

Vulnerability Tsx async abort: Not affected

From lscpu --cache:

NAME	ONE-SIZE	ALL-SIZE	WAYS	TYPE	LEVEL	SETS	PHY-LINE	COHERENCY-SIZE
L1d	48K	6M	12	Data	1	64	1	64
L1i	32K	4M	8	Instruction	1	64	1	64
L2	2M	256M	16	Unified	2	2048	1	64
L3	320M	640M	20	Unified	3	262144	1	64

8. numactl --hardware

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

```

available: 4 nodes (0-3)
node 0 cpus: 0-31,128-159
node 0 size: 128664 MB
node 0 free: 128114 MB
node 1 cpus: 32-63,160-191
node 1 size: 129000 MB
node 1 free: 128441 MB
node 2 cpus: 64-95,192-223
node 2 size: 129000 MB
node 2 free: 128081 MB
node 3 cpus: 96-127,224-255
node 3 size: 128882 MB
node 3 free: 128399 MB
node distances:
node    0    1    2    3
 0:   10   12   21   21
 1:   12   10   21   21
 2:   21   21   10   12
 3:   21   21   12   10

```

9. /proc/meminfo

MemTotal: 527920912 kB

'who -r' did not return a run level

10. Systemd service manager version: systemd 257 (257.7+suse.19.ga0dfd5de4c)

```

Default Target Status
graphical      running

```

11. Services, from systemctl list-unit-files

```

STATE UNIT FILES
enabled NetworkManager NetworkManager-dispatcher NetworkManager-wait-online audit-rules auditd

```

(Continued on next page)



SPEC CPU®2026 Integer Speed Result

Copyright 2026 Standard Performance Evaluation Corporation

Lenovo Global Technology

SPECspeed®2026_int_base = 6.52

ThinkSystem SR650 V3
(1.90 GHz, Intel Xeon Platinum 8592+)

SPECspeed®2026_int_peak = Not Run

CPU2026 License: 9017

Test Date: May-2026

Test Sponsor: Lenovo Global Technology

Hardware Availability: Feb-2024

Tested by: Lenovo Global Technology

Software Availability: Apr-2026

Platform Notes (Continued)

```

enabled-runtime  chrontyd dbus-broker firewalld getty@ irqbalance issue-generator kbdsettings klog
disabled        lvm2-monitor  rollback rsyslog smartd soft-reboot-cleanup sshd systemd-pstore
                wpa_supplicant wtmpdb-update-boot
                blk-availability boot-sysctl ca-certificates ca-certificates-setup chrony-wait
                console-getty debug-shell dnsmasq exchange-bmc-os-info gpm grub2-once ipmiev
                issue-add-ssh-keys kernel-sysctl kexec-load lastlog2-import lunmask lvm-devices-import
                man-db-create multipathd nftables nis-domainname rpmconfigcheck rsyncd serial-getty@
                setup-systemd-proxy-env smartd_generate_opts snmpd snmptrapd
indirect        systemd-boot-check-no-failures systemd-confext systemd-network-generator systemd-sysex
                systemd-time-wait-sync systemd-timesyncd systemd-udev-load-credentials udisks2
                wpa_supplicant@
                systemd-userdbd

```

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

```

BOOT_IMAGE=/boot/vmlinuz-6.12.0-160000.5-default
root=UUID=947e53e0-d208-4ab7-9188-9ca936e60a3f
mitigations=auto
quiet
security=selinux
selinux=1

```

13. cpupower frequency-info

```

analyzing CPU 84:
  current policy: frequency should be within 800 MHz and 3.90 GHz.
                  The governor "performance" may decide which speed to use
                  within this range.

  boost state support:
    Supported: yes
    Active: yes

```

14. sysctl

```

kernel.numa_balancing          1
kernel.randomize_va_space      2
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                  20
vm.dirty_writeback_centisecs   500
vm.dirtytime_expire_seconds    43200
vm.extfrag_threshold           500
vm.min_unmapped_ratio          1

```

(Continued on next page)



SPEC CPU®2026 Integer Speed Result

Copyright 2026 Standard Performance Evaluation Corporation

Lenovo Global Technology

SPECspeed®2026_int_base = 6.52

ThinkSystem SR650 V3
(1.90 GHz, Intel Xeon Platinum 8592+)

SPECspeed®2026_int_peak = Not Run

CPU2026 License: 9017

Test Date: May-2026

Test Sponsor: Lenovo Global Technology

Hardware Availability: Feb-2024

Tested by: Lenovo Global Technology

Software Availability: Apr-2026

Platform Notes (Continued)

```

vm.nr_hugepages          0
vm.nr_hugepages_mempolicy 0
vm.nr_overcommit_hugepages 0
vm.swappiness            60
vm.watermark_boost_factor 15000
vm.watermark_scale_factor 10
vm.zone_reclaim_mode     0

```

```

-----
15. /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

```

```

-----
16. /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

```

```

-----
17. OS release
From /etc/*-release /etc/*-version
os-release SUSE Linux Enterprise Server 16.0

```

```

-----
18. Disk information
SPEC is set to: /home/cpu2026-1.0.1-ic2026.0
Filesystem      Type  Size  Used Avail Use% Mounted on
/dev/sda2       btrfs 445G 140G 305G 32% /home

```

```

-----
19. /sys/devices/virtual/dmi/id
Vendor:          Lenovo
Product:         ThinkSystem SR650 V3 MB,EGS,DDR5,SH,2U
Product Family: ThinkSystem
Serial:          1234567890

```

```

-----
20. dmidecode
Additional information from dmidecode 3.6 follows.  WARNING: Use caution when you interpret this section.
The 'dmidecode' program reads system data which is "intended to allow hardware to be accurately

```

(Continued on next page)



SPEC CPU®2026 Integer Speed Result

Copyright 2026 Standard Performance Evaluation Corporation

Lenovo Global Technology

ThinkSystem SR650 V3
(1.90 GHz, Intel Xeon Platinum 8592+)

SPECspeed®2026_int_base = 6.52

SPECspeed®2026_int_peak = Not Run

CPU2026 License: 9017
Test Sponsor: Lenovo Global Technology
Tested by: Lenovo Global Technology

Test Date: May-2026
Hardware Availability: Feb-2024
Software Availability: Apr-2026

Platform Notes (Continued)

determined", but the intent may not be met, as there are frequent changes to hardware, firmware, and the "DMTF SMBIOS" standard.

Memory:

16x Samsung M321R4GA3PB0-CWMXH 32 GB 2 rank 5600

21. BIOS

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

BIOS Vendor: Lenovo
BIOS Version: ESE139E-3.90
BIOS Date: 05/07/2026
BIOS Revision: 3.90
Firmware Revision: 8.10

Compiler Version Notes

=====
C | 854.graph500_s(base)

Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64,
Version 2026.0.0 Build 20260331
Copyright (C) 1985-2026 Intel Corporation. All rights reserved.

=====
C++ | 807.ntest_s(base) 827.cppcheck_s(base) 853.ns3_s(base)

Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64,
Version 2026.0.0 Build 20260331
Copyright (C) 1985-2026 Intel Corporation. All rights reserved.

=====
C++, C | 801.xz_s(base) 817.flac_s(base) 821.gcc_s(base) 823.llvm_s(base)
| 829.abc_s(base) 834.vpr_s(base) 835.gem5_s(base) 838.diamond_s(base)
846.minizinc_s(base)

Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64,
Version 2026.0.0 Build 20260331
Copyright (C) 1985-2026 Intel Corporation. All rights reserved.



SPEC CPU®2026 Integer Speed Result

Copyright 2026 Standard Performance Evaluation Corporation

Lenovo Global Technology

ThinkSystem SR650 V3
(1.90 GHz, Intel Xeon Platinum 8592+)

SPECspeed®2026_int_base = 6.52

SPECspeed®2026_int_peak = Not Run

CPU2026 License: 9017

Test Sponsor: Lenovo Global Technology

Tested by: Lenovo Global Technology

Test Date: May-2026

Hardware Availability: Feb-2024

Software Availability: Apr-2026

Base Compiler Invocation

C benchmarks:

icx

C++ benchmarks:

icpx

Benchmarks using both C and C++:

icpx icx

Base Portability Flags

834.vpr_s: -fno-fast-math

Base Optimization Flags

C benchmarks:

-m64 -std=c18 -Wl,-z,muldefs -Wl,-plugin-opt=-inline-threshold=1500
-xsapphirerapids -mprefer-vector-width=512 -O3 -ffp-model=fast -flto
-mfpmath=sse -funroll-loops -qopt-mem-layout-trans=4
-fno-strict-aliasing -fiopenmp -DSPEC_OPENMP
-L/usr/local/jemalloc-5.3.0/lib -ljemalloc

C++ benchmarks:

-m64 -std=c++17 -Wl,-z,muldefs -Wl,-plugin-opt=-inline-threshold=1500
-xsapphirerapids -mprefer-vector-width=512 -O3 -ffp-model=fast -flto
-mfpmath=sse -funroll-loops -qopt-mem-layout-trans=4 -pthread
-fiopenmp -DSPEC_OPENMP -L/usr/local/jemalloc-5.3.0/lib -ljemalloc

Benchmarks using both C and C++:

-m64 -std=c++17 -std=c18 -Wl,-z,muldefs
-Wl,-plugin-opt=-inline-threshold=1500 -xsapphirerapids
-mprefer-vector-width=512 -O3 -ffp-model=fast -flto -mfpmath=sse
-funroll-loops -qopt-mem-layout-trans=4 -fno-strict-aliasing -fiopenmp
-DSPEC_OPENMP -pthread -L/usr/local/jemalloc-5.3.0/lib -ljemalloc

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

<http://www.spec.org/cpu2026/results/flags/Lenovo-Platform-SPECcpu2026-Flags-V1.2-Eaglestream-AD.html>
<http://www.spec.org/cpu2026/results/flags/Intel-ic2026-official-linux64-v1.1.html>



SPEC CPU®2026 Integer Speed Result

Copyright 2026 Standard Performance Evaluation Corporation

Lenovo Global Technology

ThinkSystem SR650 V3
(1.90 GHz, Intel Xeon Platinum 8592+)

SPECspeed®2026_int_base = 6.52

SPECspeed®2026_int_peak = Not Run

CPU2026 License: 9017

Test Sponsor: Lenovo Global Technology

Tested by: Lenovo Global Technology

Test Date: May-2026

Hardware Availability: Feb-2024

Software Availability: Apr-2026

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

<http://www.spec.org/cpu2026/results/flags/Lenovo-Platform-SPECcpu2026-Flags-V1.2-Eaglestream-AD.xml>

<http://www.spec.org/cpu2026/results/flags/Intel-ic2026-official-linux64-v1.1.xml>

SPEC CPU and SPECspeed 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 v1.0.1 on 2026-05-27 22:39:22-0400.

Report generated on 2026-06-16 17:18:58 by CPU2026 PDF formatter (unknown).

Originally published on 2026-06-16.