



SPEC CPU®2026 Floating Point Speed Result

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Supermicro

Blade SBI-612BA-1NE34-LCC
(B14SBE-CPU-AP, Intel Xeon 6970E+)

SPECspeed®2026_fp_base = 8.91

SPECspeed®2026_fp_peak = 8.99

CPU2026 License: 001176

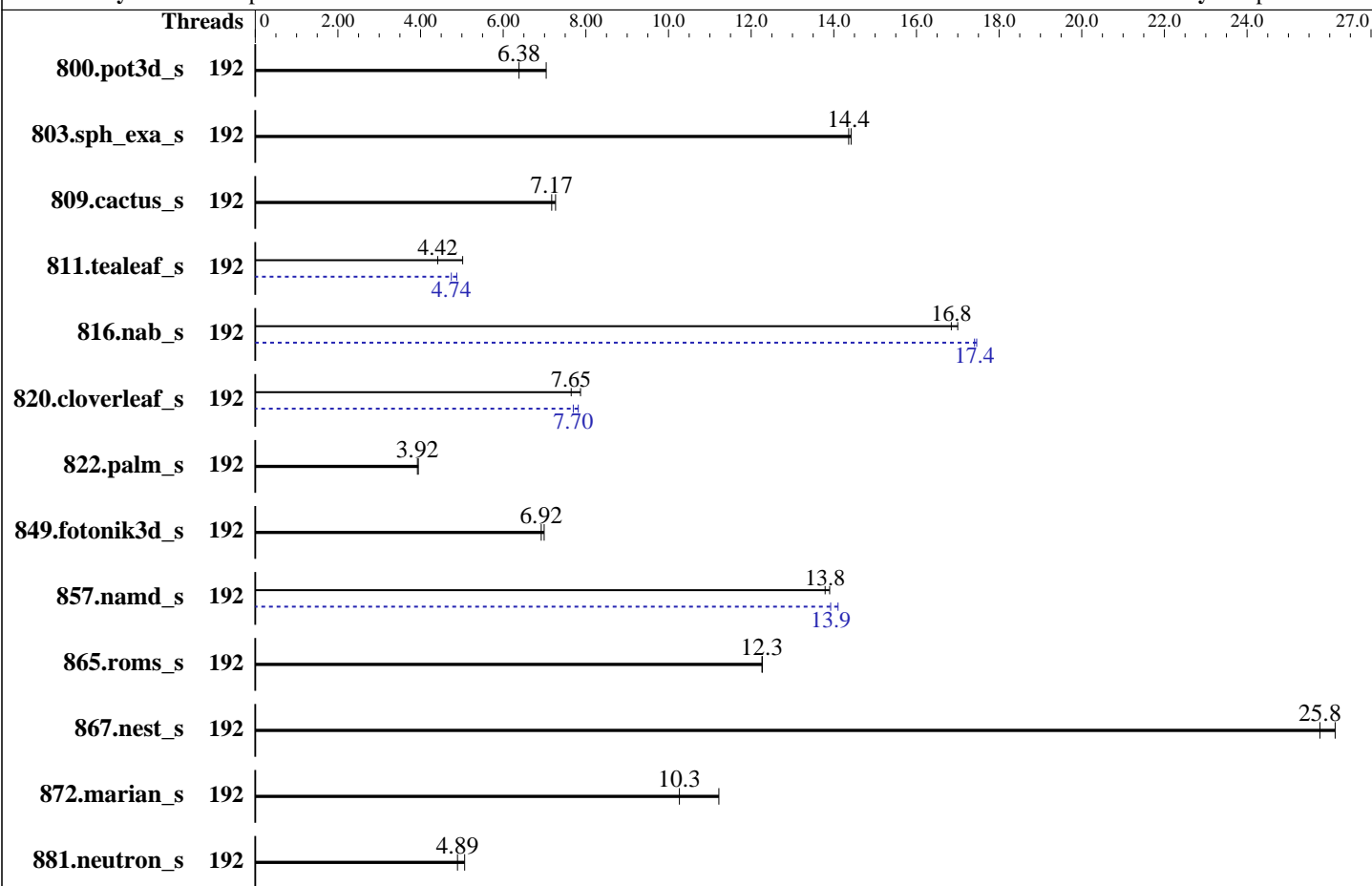
Test Sponsor: Supermicro

Tested by: Supermicro

Test Date: May-2026

Hardware Availability: Jun-2026

Software Availability: Apr-2026



Hardware

CPU Name: Intel Xeon 6970E+
 Max MHz: 3200
 Nominal: 2300
 Enabled: 192 cores, 1 chip
 Orderable: 1 chip
 Cache L1: 64 KB I + 32 KB D on chip per core
 L2: 192 MB I+D on chip per chip, 4 MB shared / 4 cores
 L3: 480 MB I+D on chip per chip
 Other: None
 Memory: 1152 GB (12 x 96 GB 2Rx4 PC5-8000B-R)
 Storage: 1 x 480 GB NVMe SSD
 Cooling: DLC
 Other: None

Software

OS: Red Hat Enterprise Linux 9.7
 Kernel 5.14.0-611.5.1.el9_7.x86_64
 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: Version 1.5 released Apr-2026
 File System: xfs
 System State: Run level 3 (multi-user)
 Base Pointers: 64-bit
 Peak Pointers: 64-bit
 Other: jemalloc memory allocator V5.3.0
 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	192	95.6	7.04	105	6.38			192	95.6	7.04	105	6.38		
803.sph_exa_s	192	86.2	14.4	85.9	14.4			192	86.2	14.4	85.9	14.4		
809.cactus_s	192	154	7.27	156	7.17			192	154	7.27	156	7.17		
811.tealeaf_s	192	111	5.02	126	4.42			192	114	4.88	117	4.74		
816.nab_s	192	66.9	16.8	66.2	17.0			192	64.5	17.5	64.7	17.4		
820.cloverleaf_s	192	112	7.65	109	7.87			192	110	7.82	111	7.70		
822.palm_s	192	313	3.92	311	3.95			192	313	3.92	311	3.95		
849.fotonik3d_s	192	95.4	6.92	94.4	6.99			192	95.4	6.92	94.4	6.99		
857.namd_s	192	104	13.9	105	13.8			192	103	14.1	104	13.9		
865.roms_s	192	88.9	12.3	88.8	12.3			192	88.9	12.3	88.8	12.3		
867.nest_s	192	83.8	25.8	82.7	26.1			192	83.8	25.8	82.7	26.1		
872.marian_s	192	96.4	11.2	105	10.3			192	96.4	11.2	105	10.3		
881.neutron_s	192	167	4.89	161	5.07			192	167	4.89	161	5.07		

SPECSpeed®2026_fp_base = **8.91**

SPECSpeed®2026_fp_peak = **8.99**

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:
LD_LIBRARY_PATH = "/home/cpu2026/lib"
MALLOCONF = "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.

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Test Date: May-2026
Hardware Availability: Jun-2026
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 settings:

Workload Profile = HPC

KTI Prefetch = Enable

Stale AtoS = Disable

LLC Dead Line Alloc = Disable

Sysinfo program /home/cpu2026/bin/sysinfo

Rev: 779ab21020787073335a329f3a45e2cd

running on Tue May 26 00:06:17 2026

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

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1. uname -srvm
2. w
3. Username
4. ulimit -a
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10. who -r
11. Systemd service manager version: systemd 252 (252-55.e19)
12. Services, from systemctl list-unit-files
13. Linux kernel boot-time arguments, from /proc/cmdline
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16. sysctl
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Platform Notes (Continued)

1. `uname -srvm`
Linux 5.14.0-611.5.1.el9_7.x86_64 #1 SMP PREEMPT_DYNAMIC Fri Oct 17 14:16:35 EDT 2025 x86_64

2. `w`
00:06:17 up 13:58, 1 user, load average: 50.72, 45.32, 33.64
USER TTY LOGIN@ IDLE JCPU PCPU WHAT
root tty1 Mon10 13:50m 1.32s 0.00s -bash

3. Username
From environment variable \$USER: root

4. `ulimit -a`
real-time non-blocking time (microseconds, -R) unlimited
core file size (blocks, -c) 0
data seg size (kbytes, -d) unlimited
scheduling priority (-e) 0
file size (blocks, -f) unlimited
pending signals (-i) 4640649
max locked memory (kbytes, -l) 64
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) 4640649
virtual memory (kbytes, -v) unlimited
file locks (-x) unlimited

5. `sysinfo process ancestry`
/usr/lib/systemd/systemd rhgb --switched-root --system --deserialize 31
login -- root
-bash
-bash
runcpu --nobuild --reportable --action validate --define default-platform-flags -c
ic2026.0-clearwaterforest-cpu2026-1.0.1-speed-20260429.cfg --threads 192 --define cores=192 --tune
base,peak -o all --define smt-on --define drop_caches fpspeed
runcpu --nobuild --reportable --action validate --define default-platform-flags --configfile
ic2026.0-clearwaterforest-cpu2026-1.0.1-speed-20260429.cfg --threads 192 --define cores=192 --tune

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Platform Notes (Continued)

```
base,peak --output_format all --define smt-on --define drop_caches --nopower --runmode speed --tune
base:peak --size refspeed fpspeed --nopreenv --note-preenv --logfile
$SPEC/tmp/CPU2026.004/templogs/preenv.fpspeed.004.0.log --lognum 004.0 --from_runcpu 2
specperl $SPEC/bin/sysinfo
$SPEC = /home/cpu2026
```

```
-----
6. /proc/cpuinfo
model name      : Intel(R) Xeon(R) 6970E+
vendor_id      : GenuineIntel
cpu family     : 6
model          : 221
stepping       : 1
microcode      : 0x1000120
bugs           : spectre_v1 spectre_v2 spec_store_bypass swappgs bhi spectre_v2_user
cpu cores     : 192
siblings       : 192
1 physical ids (chips)
192 processors (hardware threads)
physical id 0: core ids 0-63,128-191,256-319
physical id 0: apicids
0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72
, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 256, 258, 2
60, 262, 264, 266, 268, 270, 272, 274, 276, 278, 280, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 31
2, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364
, 366, 368, 370, 372, 374, 376, 378, 380, 382, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544,
546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 5
98, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638
```

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 2.37.4:
Architecture:          x86_64
CPU op-mode(s):        32-bit, 64-bit
Address sizes:          52 bits physical, 48 bits virtual
Byte Order:             Little Endian
CPU(s):                 192
On-line CPU(s) list:   0-191
Vendor ID:              GenuineIntel
BIOS Vendor ID:        Intel(R) Corporation
Model name:             Intel(R) Xeon(R) 6970E+
BIOS Model name:       Intel(R) Xeon(R) 6970E+
CPU family:             6
Model:                  221
```

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Platform Notes (Continued)

```

Thread(s) per core:          1
Core(s) per socket:        192
Socket(s):                  1
Stepping:                   1
BogoMIPS:                   4600.00
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
                             pdpelgb rdtscp lm constant_tsc art arch_perfmon bts rep_good nopl
                             xtopology nonstop_tsc cpuid aperfmperf tsc_known_freq pni
                             pclmulqdq dtes64 monitor ds_cpl vmx 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 tpr_shadow
                             flexpriority ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep
                             bmi2 erms invpcid cqm rdt_a rdseed adx smap clflushopt clwb
                             intel_pt sha_ni xsaveopt xsavec xgetbv1 xsaves cqm_llc
                             cqm_occup_llc cqm_mbm_total cqm_mbm_local split_lock_detect
                             user_shstk avx_vnni lam wbnoinvd dtherm ida arat pln pts vnmi umip
                             pku ospke waitpkg gfni vaes vpclmulqdq tme rdpid bus_lock_detect
                             cldemote movdiri movdir64b enqcmd fsrm md_clear serialize pconfig
                             arch_lbr ibt flush_lld arch_capabilities
Virtualization:              VT-x
L1d cache:                   6 MiB (192 instances)
L1i cache:                   12 MiB (192 instances)
L2 cache:                    192 MiB (48 instances)
L3 cache:                    480 MiB (1 instance)
NUMA node(s):                3
NUMA node0 CPU(s):          0-63
NUMA node1 CPU(s):          64-127
NUMA node2 CPU(s):          128-191
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/swapgs barriers and __user pointer sanitization
Vulnerability Spectre v2:     Mitigation; Enhanced / Automatic IBRS; IBPB conditional; PBR SB-eIBRS Not affected; BHI BHI_DIS_S
Vulnerability Srbds:         Not affected

```

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Platform Notes (Continued)

Vulnerability Tsa: 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	32K	6M	8	Data	1	64	1	64
L1i	64K	12M	8	Instruction	1	128	1	64
L2	4M	192M	16	Unified	2	4096	1	64
L3	480M	480M	16	Unified	3	491520	1	64

8. numactl --hardware

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

```

available: 3 nodes (0-2)
node 0 cpus: 0-63
node 0 size: 386112 MB
node 0 free: 380372 MB
node 1 cpus: 64-127
node 1 size: 387055 MB
node 1 free: 378348 MB
node 2 cpus: 128-191
node 2 size: 387039 MB
node 2 free: 308367 MB
node distances:
node    0    1    2
 0:   10   15   17
 1:   15   10   15
 2:   17   15   10

```

9. /proc/meminfo

MemTotal: 1188053240 kB

10. who -r

run-level 3 May 25 10:08

11. Systemd service manager version: systemd 252 (252-55.e19)

Default Target	Status
multi-user	running

12. Services, from systemctl list-unit-files

STATE	UNIT FILES
enabled	NetworkManager NetworkManager-dispatcher NetworkManager-wait-online atd auditd bluetooth chronyd crond dbus-broker firewalld getty@ insights-client-boot irqbalance iscsi-onboot

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Platform Notes (Continued)

```

iscsi-starter kdump libstoragemgmt lvm2-monitor mcelog mdmonitor microcode multipathd
nis-domainname nvme-fc-boot-connections rhsmcertd rsyslog selinux-autorelabel-mark smartd
sshd sssd systemd-boot-update systemd-network-generator systemd-pstore tas tuned udisks2
enabled-runtime systemd-remount-fs
disabled arp-ethers blk-availability chrony-wait chronyd-restricted cni-dhcp console-getty cpupower
debug-shell dnf-system-upgrade iprdump iprinit iprupdate iscsi-init iscsid iscsiuiop kpatch
kvm_stat ledmon lvm-devices-import man-db-restart-cache-update netavark-dhcp-proxy
netavark-firewalld-reload nftables nvme-fc-autoconnect podman podman-auto-update
podman-clean-transient podman-kube@ podman-restart psacct rdisc rhcd rhsm rhsm-facts
rpmdb-rebuild selinux-check-proper-disable serial-getty@ sshd-keygen@
systemd-boot-check-no-failures systemd-sysext
indirect iscsi sssd-autofs sssd-kcm sssd-nss sssd-pac sssd-pam sssd-ssh sssd-sudo systemd-sysupdate
systemd-sysupdate-reboot

```

```

-----
13. Linux kernel boot-time arguments, from /proc/cmdline
BOOT_IMAGE=(hd1,gpt2)/vmlinuz-5.14.0-611.5.1.el9_7.x86_64
root=/dev/mapper/rhel_135--171--45-root
ro
crashkernel=1G-2G:192M,2G-64G:256M,64G-:512M
resume=/dev/mapper/rhel_135--171--45-swap
rd.lvm.lv=rhel_135-171-45/root
rd.lvm.lv=rhel_135-171-45/swap
rhgb
quiet

```

```

-----
14. cpupower frequency-info
analyzing CPU 143:
Unable to determine current policy
boost state support:
Supported: yes
Active: yes

```

```

-----
15. tuned-adm active
Current active profile: throughput-performance

```

```

-----
16. 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

```

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Platform Notes (Continued)

```

vm.dirty_ratio                40
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                  10
vm.watermark_boost_factor     15000
vm.watermark_scale_factor     10
vm.zone_reclaim_mode          0

```

```

-----
17. /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

```

```

-----
18. /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

```

```

-----
19. OS release
From /etc/*-release /etc/*-version
os-release      Red Hat Enterprise Linux 9.7 (Plow)
redhat-release Red Hat Enterprise Linux release 9.7 (Plow)
system-release Red Hat Enterprise Linux release 9.7 (Plow)

```

```

-----
20. Disk information
SPEC is set to: /home/cpu2026
Filesystem                Type      Size   Used Avail Use% Mounted on
/dev/mapper/rhel1_135--171--45-home xfs      344G  105G  240G  31% /home

```

```

-----
21. /sys/devices/virtual/dmi/id
Vendor:      PM_1768968004
Product:    PPM_1768968004

```

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Platform Notes (Continued)

Product Family: SMC B14
Serial: PS_1768968004

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

Memory:

12x SK Hynix HMC8G4AMBRB970N 96 GB 2 rank 8000

23. BIOS

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

BIOS Vendor: American Megatrends International, LLC.
BIOS Version: 1.5
BIOS Date: 04/22/2026
BIOS Revision: 5.35

Compiler Version Notes

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

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++ | 803.sph_exa_s(base, peak) 857.namd_s(base, peak) 867.nest_s(base, peak) 872.marian_s(base, peak)

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 | 809.cactus_s(base, peak)

Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64,
Version 2026.0.0 Build 20260331

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Test Sponsor: Supermicro
Tested by: Supermicro

Test Date: May-2026
Hardware Availability: Jun-2026
Software Availability: Apr-2026

Compiler Version Notes (Continued)

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```

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

```

Intel(R) Fortran Compiler for applications running on Intel(R) 64, Version 2026.0.0 Build 20260331

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Base Compiler Invocation

C benchmarks:
icx

C++ benchmarks:
icpx

Fortran benchmarks:
ifx

Benchmarks using both C and C++:
icpx icx

Base Optimization Flags

C benchmarks:
-m64 -std=c18 -Wl,-z,muldefs -Wl,-plugin-opt=-inline-threshold=1500
-xclearwaterforest -O3 -ffp-model=fast -flto -mfpmath=sse
-funroll-loops -qopt-mem-layout-trans=4 -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
-xclearwaterforest -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

Fortran benchmarks:
-m64 -stand f18 -Wl,-z,muldefs -Wl,-plugin-opt=-inline-threshold=1500
-xclearwaterforest -O3 -ffp-model=fast -flto -mfpmath=sse

(Continued on next page)



SPEC CPU®2026 Floating Point Speed Result

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Blade SBI-612BA-1NE34-LCC
(B14SBE-CPU-AP, Intel Xeon 6970E+)

SPECspeed®2026_fp_base = 8.91

SPECspeed®2026_fp_peak = 8.99

CPU2026 License: 001176
Test Sponsor: Supermicro
Tested by: Supermicro

Test Date: May-2026
Hardware Availability: Jun-2026
Software Availability: Apr-2026

Base Optimization Flags (Continued)

Fortran benchmarks (continued):

```
-funroll-loops -qopt-mem-layout-trans=4 -DSPEC_OPENMP -fiopenmp  
-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 -xclearwaterforest -O3  
-ffp-model=fast -flto -mfpmath=sse -funroll-loops  
-qopt-mem-layout-trans=4 -fiopenmp -DSPEC_OPENMP -pthread  
-L/usr/local/jemalloc-5.3.0/lib -ljemalloc
```

Peak Compiler Invocation

C benchmarks:

icx

C++ benchmarks:

icpx

Fortran benchmarks:

ifx

Benchmarks using both C and C++:

icpx icx

Peak Optimization Flags

C benchmarks:

```
811.tealeaf_s: -m64 -std=c18 -Wl,-z,muldefs  
-Wl,-plugin-opt=-inline-threshold=1500  
-fprofile-generate(pass 1)  
-fprofile-use=default.profddata(pass 2) -xCORE-AVX2(pass 1)  
-ffp-model=fast -xclearwaterforest(pass 2) -flto  
-qopt-mem-layout-trans=4 -O3 -mfpmath=sse -funroll-loops  
-fiopenmp -DSPEC_OPENMP -L/usr/local/jemalloc-5.3.0/lib  
-ljemalloc
```

816.nab_s: Same as 811.tealeaf_s

881.neutron_s: basepeak = yes

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Test Sponsor: Supermicro
Tested by: Supermicro

Test Date: May-2026
Hardware Availability: Jun-2026
Software Availability: Apr-2026

Peak Optimization Flags (Continued)

C++ benchmarks:

803.sph_exa_s: basepeak = yes

```
857.namd_s: -m64 -std=c++17 -Wl,-z,muldefs
-Wl,-plugin-opt=-inline-threshold=1500
-fprofile-generate(pass 1)
-fprofile-use=default.profddata(pass 2) -xCORE-AVX2(pass 1)
-ffp-model=fast -xclearwaterforest(pass 2) -flto
-qopt-mem-layout-trans=4 -O3 -mfpmath=sse -funroll-loops
-pthread -fiopenmp -DSPEC_OPENMP
-L/usr/local/jemalloc-5.3.0/lib -ljemalloc
```

867.nest_s: basepeak = yes

872.marian_s: basepeak = yes

Fortran benchmarks:

800.pot3d_s: basepeak = yes

```
820.cloverleaf_s: -m64 -stand f18 -Wl,-z,muldefs
-Wl,-plugin-opt=-inline-threshold=1500
-fprofile-generate(pass 1)
-fprofile-use=default.profddata(pass 2) -xCORE-AVX2(pass 1)
-ffp-model=fast -xclearwaterforest(pass 2) -flto
-qopt-mem-layout-trans=4 -O3 -mfpmath=sse -funroll-loops
-nostandard-realloc-lhs -align array32byte -auto
-DSPEC_OPENMP -fiopenmp -L/usr/local/jemalloc-5.3.0/lib
-ljemalloc
```

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/Intel-ic2026-official-linux64-v1.1.html>

<http://www.spec.org/cpu2026/results/flags/Supermicro-Platform-Settings-V1.2-CWF-revC.html>



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

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

<http://www.spec.org/cpu2026/results/flags/Supermicro-Platform-Settings-V1.2-CWF-revC.xml>

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