ASUSTeK Computer Inc.  
ASUS ESC4000-E11  
(2.00 GHz, Intel Xeon Platinum 8460Y+)

**CPU2017 License:** 9016  
**Test Sponsor:** ASUSTeK Computer Inc.  
**Tested by:** ASUSTeK Computer Inc.  
**Test Date:** Jan-2024  
**Hardware Availability:** Jul-2023  
**Software Availability:** Dec-2023

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## Hardware

- **CPU Name:** Intel Xeon Platinum 8460Y+  
- **Max MHz:** 3700  
- **Nominal:** 2000  
- **Enabled:** 80 cores, 2 chips, 2 threads/core  
- **Orderable:** 1, 2 chip(s)  
- **Cache L1:** 32 KB I + 48 KB D on chip per core  
- **L2:** 2 MB I+D on chip per core  
- **L3:** 105 MB I+D on chip per chip  
- **Other:** None  
- **Memory:** 1 TB (16 x 64 GB 2Rx4 PC5-4800B-R)  
- **Storage:** 1 x 1.6 TB PCIe NVMe SSD  
- **Other:** None

## Software

- **OS:** SUSE Linux Enterprise Server 15 SP4 (x86_64)  
  Kernel 5.14.21-150400.22-default  
- **Compiler:** C/C++: Version 2023.2.3 of Intel oneAPI DPC++/C++ Compiler for Linux;  
  Fortran: Version 2023.2.3 of Intel Fortran Compiler for Linux;  
- **Parallel:** No  
- **Firmware:** Version 2101 released Dec-2023  
- **File System:** xfs  
- **System State:** Run level 3 (multi-user)  
- **Base Pointers:** 64-bit  
- **Peak Pointers:** 32/64-bit  
- **Other:** jemalloc memory allocator V5.0.1  
- **Power Management:** BIOS and OS set to prefer performance at the cost of additional power usage.
### SPEC CPU®2017 Integer Rate Result

**ASUSTeK Computer Inc.**

ASUS ESC4000-E11 (2.00 GHz, Intel Xeon Platinum 8460Y+)

| SPECrate®2017_int_base = 702 |
| SPECrate®2017_int_peak = 726 |

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#### Results Table

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<td>557.xz_r</td>
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<td>484</td>
<td>357</td>
<td>484</td>
<td>357</td>
</tr>
</tbody>
</table>

**SPECrate®2017_int_base = 702**  
**SPECrate®2017_int_peak = 726**

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

#### Submit Notes

The numactl mechanism was used to bind copies to processors. The config file option 'submit' was used to generate numactl commands to bind each copy to a specific processor. For details, please see the config file.

#### Operating System Notes

Stack size set to unlimited using "ulimit -s unlimited"  
OS set to performance mode via cpupower frequency-set -g performance

#### Environment Variables Notes

Environment variables set by runcpu before the start of the run:  
LD_LIBRARY_PATH = "/ic23u2/lib/intel64:/ic23u2/lib/ia32:/ic23u2/je5.0.1-32"  
MALLOC_CONF = "retain:true"

#### General Notes

- Binaries compiled on a system with 2x Intel Xeon Platinum 8280M CPU + 384GB RAM  
- memory using Red Hat Enterprise Linux 8.4  
- 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\`

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

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®2017 Integer Rate Result

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Test Date: Jan-2024
Hardware Availability: Jul-2023
Software Availability: Dec-2023

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 RedHat Enterprise 7.5, and the system compiler gcc 4.8.5

Platform Notes

BIOS Configuration:
VT-d = Disabled
Patrol Scrub = Disabled
SNC = Enable SNC4 (4-clusters)
LLC dead line alic = Disabled
Engine Boost = Aggressive
SR-IOV Support = Disabled
BMC Configuration:
Fan mode = Full speed mode
Sysinfo program /lc23u2/bin/sysinfo
Rev: r6732 of 2022-11-07 fe91c89b7ed5c36ae2c92cc097bec197
running on localhost Tue Jan 16 07:31:18 2024
SUT (System Under Test) info as seen by some common utilities.

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7. lscpu
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10. who -r
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12. Services, from systemctl list-unit-files
13. Linux kernel boot-time arguments, from /proc/cmdline
14. cpupower frequency-info
15. tuned-adm active
16. sysctl
17. /sys/kernel/mm/transparent_hugepage
18. /sys/kernel/mm/transparent_hugepage/khugepaged
19. OS release
20. Disk information
21. /sys/devices/virtual/dmi/id
22. dmidecode
23. BIOS

(Continued on next page)
Platform Notes (Continued)

07:31:18 up 15:06, 1 user, load average: 35.57, 87.67, 122.02
USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT
root tty1 - Mon16 15:04m 0.96s 0.01s /bin/bash ./rate.sh

3. Username
From environment variable $USER: root

4. ulimit -a
core file size (blocks, -c) unlimited
data seg size (kbytes, -d) unlimited
  scheduling priority (-e) 0
  file size (blocks, -f) unlimited
  pending signals (-l) 4126744
  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) 4126744
  virtual memory (kbytes, -v) unlimited
  file locks (-x) unlimited

5. sysinfo process ancestry
/usr/lib/systemd/systemd --switched-root --system --deserialize 30
login -- root
-bash
/bin/bash ./rate.sh
runcpu --nobuild --action validate --define default-platform-flags --define numcopies=160 --c
ic2023.2.3-lin-sapphirerapids-rate-20231121.cfg --define smt-on --define cores=80 --define physicalfirst
--define invoke_with_interleave --define drop_caches --tune base,peak -- all intrate
runcpu --nobuild --action validate --define default-platform-flags --define numcopies=160 --configfile
ic2023.2.3-lin-sapphirerapids-rate-20231121.cfg --define smt-on --define cores=80 --define physicalfirst
--define invoke_with_interleave --define drop_caches --tune base,peak,peak --output_format all --nopower
--runmode rate --tune base:peak --size refrate intrate --nopreenv --note-preenv --logfile
$SPEC/tmp/CPU2017.244/templogs/preenv.intrate.244.0.log --lognum 244.0 --from_runcpu 2
specperl $SPEC/bin/sysinfo
$SPEC = /ic23u2

6. /proc/cpuinfo
model name : Intel(R) Xeon(R) Platinum 8460Y+
vendor_id : GenuineIntel
cpu family : 6
  model : 143
  stepping : 8
  microcode : 0x2b000461
  bugs : spectre_v1 spectre_v2 spec_store_bypass swappgs
  cpu cores : 40
  siblings : 80
  2 physical ids (chips)
  160 processors (hardware threads)
  physical id 0: core ids 0-39
  physical id 1: core ids 0-39

(Continued on next page)
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SPEC CPU®2017 Integer Rate Result

Test Date: Jan-2024
Hardware Availability: Jul-2023
Software Availability: Dec-2023

CPU2017 License: 9016
Test Sponsor: ASUSTeK Computer Inc.
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SPECrate®2017_int_base = 702
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Platform Notes (Continued)

physical id 0: apicid 0-79
physical id 1: apicid 128-207

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 2.37.2:
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): 160
On-Line CPU(s) list: 0-159
Vendor ID: GenuineIntel
Model name: Intel(R) Xeon(R) Platinum 8460Y+
CPU family: 6
Model: 143
Thread(s) per core: 2
Core(s) per socket: 40
Socket(s): 2
Stepping: 8
CPU max MHz: 3700.000
CPU min MHz: 800.000
BogoMIPS: 4000.00

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 apic cpuid cmov
clflushopt dts mmati pge smm trimblearton apicversion ida arat p-state cpufreqscaling pstate Fairfield pmulisko tsc_adjust

Virtualization: VT-x
L1d cache: 3.8 MiB (80 instances)
L1i cache: 2.5 MiB (80 instances)
L2 cache: 160 MiB (80 instances)
L3 cache: 210 MiB (2 instances)
NUMA node(s): 8
NUMA node0 CPU(s): 0-9,80-89
NUMA node1 CPU(s): 10-19,90-99
NUMA node2 CPU(s): 20-29,100-109
NUMA node3 CPU(s): 30-39,110-119
NUMA node4 CPU(s): 40-49,120-129
NUMA node5 CPU(s): 50-59,130-139
NUMA node6 CPU(s): 60-69,140-149
NUMA node7 CPU(s): 70-79,150-159
Vulnerability Itlb multihit: Not affected
Vulnerability L1tf: Not affected

(Continued on next page)
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Platform Notes (Continued)

Vulnerability Mds: Not affected
Vulnerability Meltdown: Not affected
Vulnerability Spec store bypass: Mitigation; Speculative Store Bypass disabled via prctl and seccomp
Vulnerability Spectre v1: Mitigation; usercopy/swapgs barriers and __user pointer sanitization
Vulnerability Spectre v2: Mitigation; Enhanced IBRS, IBPB conditional, RSB filling
Vulnerability Srbds: Not affected
Vulnerability Tax async abort: Not affected

From lscpu --cache:

<table>
<thead>
<tr>
<th>NAME</th>
<th>ONE-SIZE</th>
<th>ALL-SIZE</th>
<th>WAYS</th>
<th>TYPE</th>
<th>LEVEL</th>
<th>SETS</th>
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<tr>
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<td>32K</td>
<td>2.5M</td>
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<td>64</td>
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<td>160M</td>
<td>16</td>
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<td>2</td>
<td>2048</td>
<td>1</td>
<td>64</td>
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<tr>
<td>L3</td>
<td>105M</td>
<td>210M</td>
<td>15</td>
<td>Unified</td>
<td>3</td>
<td>114688</td>
<td>1</td>
<td>64</td>
</tr>
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</table>

8. numactl --hardware
NOTE: a numactl 'node' might or might not correspond to a physical chip.
available: 8 nodes (0-7)
node 0 cpus: 0-9,80-89
node 0 size: 128660 MB
node 0 free: 127252 MB
node 1 cpus: 10-19,90-99
node 1 size: 129018 MB
node 1 free: 128016 MB
node 2 cpus: 20-29,100-109
node 2 size: 128984 MB
node 2 free: 127973 MB
node 3 cpus: 30-39,110-119
node 3 size: 129018 MB
node 3 free: 128109 MB
node 4 cpus: 40-49,120-129
node 4 size: 129018 MB
node 4 free: 128010 MB
node 5 cpus: 50-59,130-139
node 5 size: 129018 MB
node 5 free: 128094 MB
node 6 cpus: 60-69,140-149
node 6 size: 129018 MB
node 6 free: 128104 MB
node 7 cpus: 70-79,150-159
node 7 size: 128971 MB
node 7 free: 128061 MB
node distances:
node 0 1 2 3 4 5 6 7
0: 10 12 12 12 21 21 21 21
1: 12 10 12 12 21 21 21 21
2: 12 12 10 12 21 21 21 21
3: 12 12 12 10 21 21 21 21
4: 21 21 21 21 10 12 12 12
5: 21 21 21 21 12 10 12 12
6: 21 21 21 21 12 12 10 12
7: 21 21 21 21 12 12 12 10

9. /proc/meminfo
MemTotal: 1056471860 kB

(Continued on next page)
### Platform Notes (Continued)

11. Systemd service manager version: systemd 249 (249.11+suse.124.g2bc0b2c447)

    Default Target Status
    multi-user running

12. Services, from systemctl list-unit-files

    STATE UNIT FILES
    enabled YaST2-Firstboot YaST2-Second-Stage apparmor auditd cron display-manager getty@ haveged
    irqbalance issue-generator kbdsettings klog 1vm2-monitor nscd nvmefc-boot-connections
    postfix purge-kernels rollback rsyslog smartd sshd wicked wickedd-auto4 wickedd-dhcpc4
    wickedd-dhcpc6 wickedd-nanny

    enabled-runtime systemd-remount-fs

    disabled autofs autostart-initscripts blk-availability boot-sysctl ca-certificates chrony-wait
    chronyd console-getty cups cups-browsed debug-shell ebtables exchange-hmc-os-info
    firewalld gpm grub2-once haveged-switch-root hwloc-dump-hwdata ipmi ipmi-levd
    issue-add-ssh-keys keystool-load l MMA area man-db-create multipathd nfs nfs-blkmap
    nvmf-autoconnect rdist rrdbind rpmconfigcheck rsyncd serial-getty@ smartd_generate_opts
    snmpd snmptrapd svnserve systemd-boot-check-no-failures systemd-network-generator
    systemd-sysext systemd-time-wait-sync systemd-timesyncd tuned udisks2

    indirect wickedd

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

    ROOT_IMAGE=/boot/vmlinuz-5.14.21-150400.22-default
    root=UUID=9bcf0374-b29f-4a4c-932e-9c0e90fb0803
    splash=silent
    mitigations=auto
    quiet

14. cpupower frequency-info

    analyzing CPU 0:
    current policy: frequency should be within 800 MHz and 3.70 GHz.
    The governor "performance" may decide which speed to use
    within this range.
    boost state support:
    Supported: yes
    Active: yes

15. tuned-adm active

    It seems that tuned daemon is not running, preset profile is not activated.
    Preset 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
    vm.dirty_ratio 20
    vm.dirty_writeback_centisecs 500
    vm.dirtytime_expire_seconds 43200
    vm.extfrag_threshold 500

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Platform Notes (Continued)

vm.min_unmapped_ratio 1
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

------------------------------------------------------------
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 SUSE Linux Enterprise Server 15 SP4

------------------------------------------------------------
20. Disk information
   SPEC is set to: /ic23u2
   Filesystem Type Size Used Avail Use% Mounted on
   /dev/nvme0n1p8 xfs 500G 295G 205G 60% /

------------------------------------------------------------
21. /sys/devices/virtual/dmi/id
   Vendor: ASUSTeK COMPUTER INC.
   Product: ESC4000-E11
   Product Family: Server
   Serial: /psn/

------------------------------------------------------------
22. dmidecode
   Additional information from dmidecode 3.2 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:
   16x Samsung M321R8GA0BB0-CQKVG 64 GB 2 rank 4800

------------------------------------------------------------
23. BIOS
   (This section combines info from /sys/devices and dmidecode.)
   BIOS Vendor: American Megatrends Inc.
   BIOS Version: 2101
   BIOS Date: 12/12/2023

(Continued on next page)
## Platform Notes (Continued)

| BIOS Revision | 21.1 |

## Compiler Version Notes

<table>
<thead>
<tr>
<th>Language</th>
<th>Benchmarks</th>
<th>Compiler Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>502.gcc_r(peak)</td>
<td>Intel(R) oneAPI DPC++/C++ Compiler for applications running on IA-32, Version 2023.2.3 Build x Copyright (C) 1985-2023 Intel Corporation. All rights reserved.</td>
</tr>
<tr>
<td>C</td>
<td>500.perlbench_r(base, peak) 502.gcc_r(base) 505.mcf_r(base, peak) 525.x264_r(base, peak) 557.xz_r(base, peak)</td>
<td>Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64, Version 2023.2.3 Build x Copyright (C) 1985-2023 Intel Corporation. All rights reserved.</td>
</tr>
<tr>
<td>C</td>
<td>502.gcc_r(peak)</td>
<td>Intel(R) oneAPI DPC++/C++ Compiler for applications running on IA-32, Version 2023.2.3 Build x Copyright (C) 1985-2023 Intel Corporation. All rights reserved.</td>
</tr>
<tr>
<td>C++</td>
<td>520.omnetpp_r(base, peak) 523.xalancbmk_r(base, peak) 531.deepsjeng_r(base, peak) 541.leela_r(base, peak)</td>
<td>Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64, Version 2023.2.3 Build x Copyright (C) 1985-2023 Intel Corporation. All rights reserved.</td>
</tr>
<tr>
<td>Fortran</td>
<td>548.exchange2_r(base, peak)</td>
<td>Intel(R) Fortran Compiler for applications running on Intel(R) 64, Version 2023.2.3 Build x Copyright (C) 1985-2023 Intel Corporation. All rights reserved.</td>
</tr>
</tbody>
</table>

## Base Compiler Invocation

C benchmarks:
- icx
ASUSTeK Computer Inc.
ASUS ESC4000-E11
(2.00 GHz, Intel Xeon Platinum 8460Y+)

SPECrate®2017_int_base = 702
SPECrate®2017_int_peak = 726

CPU2017 License: 9016
Test Sponsor: ASUSTeK Computer Inc.
Test Date: Jan-2024
Tested by: ASUSTeK Computer Inc.
Hardware Availability: Jul-2023
Software Availability: Dec-2023

Base Compiler Invocation (Continued)

C++ benchmarks:
icpx

Fortran benchmarks:
ifx

Base Portability Flags

500.perlbench_r: -DSPEC_LP64 -DSPEC_LINUX_X64
502.gcc_r: -DSPEC_LP64
505.mcf_r: -DSPEC_LP64
520.omnetpp_r: -DSPEC_LP64
523.xalancbmk_r: -DSPEC_LP64 -DSPEC_LINUX
525.x264_r: -DSPEC_LP64
531.deepsjeng_r: -DSPEC_LP64
541.leela_r: -DSPEC_LP64
548.exchange2_r: -DSPEC_LP64
557.xz_r: -DSPEC_LP64

Base Optimization Flags

C benchmarks:
-w -std=c11 -m64 -Wl,-z,muldefs -xsapphirerapids -O3 -ffast-math
-flto -mfpmath=sse -funroll-loops -qopt-mem-layout-trans=4
-L/home/specdev/new_compilers/ic2023.2.3/compiler/lib/intel64_lin
-lqkmalloc

C++ benchmarks:
-w -std=c++14 -m64 -Wl,-z,muldefs -xsapphirerapids -O3 -ffast-math
-flto -mfpmath=sse -funroll-loops -qopt-mem-layout-trans=4
-L/home/specdev/new_compilers/ic2023.2.3/compiler/lib/intel64_lin
-lqkmalloc

Fortran benchmarks:
-w -m64 -Wl,-z,muldefs -xsapphirerapids -O3 -ffast-math -flto
-mfpmath=sse -funroll-loops -qopt-mem-layout-trans=4
-nostandard-realloc-lhs -align array32byte -auto
-L/home/specdev/new_compilers/ic2023.2.3/compiler/lib/intel64_lin
-lqkmalloc
ASUSTeK Computer Inc.
ASUS ESC4000-E11
(2.00 GHz, Intel Xeon Platinum 8460Y+)

SPECrate®2017_int_base = 702
SPECrate®2017_int_peak = 726

CPU2017 License: 9016
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Test Date: Jan-2024
Hardware Availability: Jul-2023
Software Availability: Dec-2023

Peak Compiler Invocation

C benchmarks:
  icx

C++ benchmarks:
  icpx

Fortran benchmarks:
  ifx

Peak Portability Flags

500.perlbmk_r: -DSPEC_LP64 -DSPEC_LINUX_X64
502.gcc_r: -D_FILE_OFFSET_BITS=64
505.mcf_r: -DSPEC_LP64
520.omnetpp_r: -DSPEC_LP64
523.xalancbmk_r: -DSPEC_LP64 -DSPEC_LINUX
525.x264_r: -DSPEC_LP64
531.deepsjeng_r: -DSPEC_LP64
541.leela_r: -DSPEC_LP64
548.exchange2_r: -DSPEC_LP64
557.xz_r: -DSPEC_LP64

Peak Optimization Flags

C benchmarks:
  500.perlbmk_r: -w -std=c11 -m64 -Wl,-z,muldefs
    -fprofile-generate(pass 1)
    -fprofile-use=default.profdata(pass 2) -xCORE-AVX2(pass 1)
    -flto -Ofast -xCORE-AVX512 -ffast-math -mfpmath=sse
    -funroll-loops -gopt-mem-layout-trans=4
    -fno-strict-overflow
    -L/home/specdev/new_compilers/ic2023.2.3/compiler/lib/intel64_lin
    -Lqkmalloc

  502.gcc_r: -m32
    -L/home/specdev/new_compilers/ic2023.2.3/compiler/lib/ia32_lin
    -std=gnu89 -Wl,-z,muldefs -fprofile-generate(pass 1)
    -fprofile-use=default.profdata(pass 2) -xCORE-AVX2(pass 1)
    -flto -Ofast -xCORE-AVX512 -ffast-math -mfpmath=sse
    -funroll-loops -gopt-mem-layout-trans=4
    -L/usr/local/jemalloc32-5.0.1/lib -ljemalloc

(Continued on next page)
## SPEC CPU®2017 Integer Rate Result

**ASUSTeK Computer Inc.**

ASUS ESC4000-E11  
(2.00 GHz, Intel Xeon Platinum 8460Y+)

<table>
<thead>
<tr>
<th>CPU2017 License: 9016</th>
<th>Test Date: Jan-2024</th>
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<tr>
<td>Test Sponsor: ASUSTeK Computer Inc.</td>
<td>Hardware Availability: Jul-2023</td>
</tr>
<tr>
<td>Tested by: ASUSTeK Computer Inc.</td>
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</table>

**SPECrate®2017_int_base = 702**  
**SPECrate®2017_int_peak = 726**

### Peak Optimization Flags (Continued)

505.mcf_r: basepeak = yes

525.x264_r: -w -std=c11 -m64 -Wl,-z,muldefs -xsapphirerapids -Ofast  
-ffast-math -ffltol -std=c11 -m64 -Wl,-z,muldefs -xsapphirerapids -Ofast  
-qopt-mem-layout-trans=4 -fno-alias  
-L/home/specdev/new_compilers/ic2023.2.3/compiler/lib/intel64_lin  
-lqkmalloc

557.xz_r: basepeak = yes

C++ benchmarks:

520.omnetpp_r: basepeak = yes

523.xalancbmk_r: basepeak = yes

531.deepsjeng_r: basepeak = yes

541.leela_r: basepeak = yes

Fortran benchmarks:

548.exchange2_r: basepeak = yes

---

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

http://www.spec.org/cpu2017/flags/ASUSTeKPlatform-Settings-z13-V1.2.html

http://www.spec.org/cpu2017/flags/Intel-ic2023p2-official-linux64.html

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

http://www.spec.org/cpu2017/flags/ASUSTeKPlatform-Settings-z13-V1.2.xml

http://www.spec.org/cpu2017/flags/Intel-ic2023p2-official-linux64.xml

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

Tested with SPEC CPU®2017 v1.1.9 on 2024-01-15 18:31:17-0500.  
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