Inspur Corporation
Inspur NF5280M6 (Intel Xeon Gold 6334)

SPECrate®2017_int_base = 147
SPECrate®2017_int_peak = 152

CPU2017 License: 3358
Test Sponsor: Inspur Corporation
Tested by: Inspur Corporation

Hardware
CPU Name: Intel Xeon Gold 6334
Max MHz: 3700
Nominal: 3600
Enabled: 16 cores, 2 chips, 2 threads/core
Orderable: 1.2 chips
Cache L1: 32 KB I + 48 KB D on chip per core
L2: 1.25 MB I+D on chip per core
L3: 18 MB I+D on chip per chip
Other: None
Memory: 512 GB (16 x 32 GB 2Rx4 PC4-3200AA-R)
Storage: 1 x 4 TB NVME SSD
Other: None

Software
OS: Red Hat Enterprise Linux release 8.2 (Ootpa)
4.18.0-193.el8.x86_64
Compiler: C/C++: Version 2021.1 of Intel oneAPI DPC++/C++
Compiler Build 20201113 for Linux;
C/C++: Version 2021.1 of Intel C/C++
Compiler Classic Build 20201112 for Linux;
Fortran: Version 2021.1 of Intel Fortran
Compiler Classic Build 20201112 for Linux
Parallel: No
Firmware: Version 5.00.00 released Apr-2021
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

Inspur Corporation

Inspur NF5280M6 (Intel Xeon Gold 6334)

SPECrater®2017_int_base = 147

SPECrater®2017_int_peak = 152

CPU2017 License: 3358
Test Sponsor: Inspur Corporation
Test Date: Jun-2021
Tested by: Inspur Corporation
Hardware Availability: May-2021
Software Availability: Jan-2021

Results Table

<table>
<thead>
<tr>
<th>Benchmark</th>
<th>Copies</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>500.perlbench_r</td>
<td>32</td>
<td>527</td>
<td>96.6</td>
<td>527</td>
<td>96.6</td>
<td>527</td>
<td>96.6</td>
<td>32</td>
<td>450</td>
<td>113</td>
<td>450</td>
<td>113</td>
<td>450</td>
</tr>
<tr>
<td>502.gcc_r</td>
<td>32</td>
<td>350</td>
<td>129</td>
<td>340</td>
<td>130</td>
<td>352</td>
<td>129</td>
<td>32</td>
<td>314</td>
<td>144</td>
<td>313</td>
<td>145</td>
<td>315</td>
</tr>
<tr>
<td>505.mcf_r</td>
<td>32</td>
<td>202</td>
<td>256</td>
<td>201</td>
<td>258</td>
<td>200</td>
<td>258</td>
<td>32</td>
<td>202</td>
<td>256</td>
<td>201</td>
<td>258</td>
<td>200</td>
</tr>
<tr>
<td>520.omnetpp_r</td>
<td>32</td>
<td>416</td>
<td>101</td>
<td>416</td>
<td>101</td>
<td>417</td>
<td>101</td>
<td>32</td>
<td>416</td>
<td>101</td>
<td>416</td>
<td>101</td>
<td>417</td>
</tr>
<tr>
<td>523.xalancbmk_r</td>
<td>32</td>
<td>179</td>
<td>189</td>
<td>180</td>
<td>188</td>
<td>179</td>
<td>189</td>
<td>32</td>
<td>179</td>
<td>189</td>
<td>180</td>
<td>188</td>
<td>179</td>
</tr>
<tr>
<td>525.x264_r</td>
<td>32</td>
<td>190</td>
<td>295</td>
<td>190</td>
<td>295</td>
<td>200</td>
<td>295</td>
<td>32</td>
<td>190</td>
<td>295</td>
<td>190</td>
<td>295</td>
<td>200</td>
</tr>
<tr>
<td>541.leela_r</td>
<td>32</td>
<td>505</td>
<td>105</td>
<td>504</td>
<td>105</td>
<td>504</td>
<td>105</td>
<td>32</td>
<td>505</td>
<td>105</td>
<td>504</td>
<td>105</td>
<td>504</td>
</tr>
<tr>
<td>557.xz_r</td>
<td>32</td>
<td>435</td>
<td>79.4</td>
<td>435</td>
<td>79.5</td>
<td>433</td>
<td>79.8</td>
<td>32</td>
<td>439</td>
<td>78.7</td>
<td>440</td>
<td>78.6</td>
<td>441</td>
</tr>
</tbody>
</table>

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"
SCALING_GOVERNOR set to Performance

Environment Variables Notes

Environment variables set by runcpu before the start of the run:
LD_LIBRARY_PATH = 
  "/home/CPU2017/lib/intel64:/home/CPU2017/lib/ia32:/home/CPU2017/je5.0.1-32"
MALLOC_CONF = "retain:true"

General Notes

Binaries compiled on a system with 1x Intel Core i9-7980XE CPU + 64GB RAM memory using Red Hat Enterprise Linux 8.1
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

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

Inspur Corporation

Inspur NF5280M6 (Intel Xeon Gold 6334)

SPECrate®2017_int_base = 147
SPECrate®2017_int_peak = 152

CPU2017 License: 3358
Test Sponsor: Inspur Corporation
Tested by: Inspur Corporation

General Notes (Continued)

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.
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.


Platform Notes

BIOS configuration:
ENERGY_PERF_BIAS_CFG mode set to Performance
Hardware Prefetch set to Disable
VT Support set to Disable
C1E Support set to Disable
Sub NUMA Cluster (SNC) set to Enable
Intel Hyper Threading Technology set to Enable

Sysinfo program /home/CPU2017/bin/sysinfo
Rev: r6538 of 2020-09-24 e8664e66d2d7080afeaa89d4b38e2f1c
running on localhost.localdomain Thu Jun 10 11:16:37 2021

SUT (System Under Test) info as seen by some common utilities.
For more information on this section, see https://www.spec.org/cpu2017/Docs/config.html#sysinfo

From /proc/cpuinfo
model name : Intel(R) Xeon(R) Gold 6334 CPU @ 3.60GHz
  2 "physical id"s (chips)
  32 "processors"
cores, siblings (Caution: counting these is hw and system dependent. The following excerpts from /proc/cpuinfo might not be reliable. Use with caution.)
cpu cores : 8
siblings : 16
physical 0: cores 0 1 2 3 4 5 6 7
physical 1: cores 0 1 2 3 4 5 6 7

From lscpu:

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

Inspur Corporation

Inspur NF5280M6 (Intel Xeon Gold 6334)

SPECrate®2017_int_base = 147
SPECrate®2017_int_peak = 152

CPU2017 License: 3358
Test Sponsor: Inspur Corporation
Test Date: Jun-2021
Hardware Availability: May-2021
Tested by: Inspur Corporation
Software Availability: Jan-2021

Platform Notes (Continued)

Architecture: x86_64
CPU op-mode(s): 32-bit, 64-bit
Byte Order: Little Endian
CPU(s): 32
On-line CPU(s) list: 0-31
Thread(s) per core: 2
Core(s) per socket: 8
Socket(s): 2
NUMA node(s): 4
Vendor ID: GenuineIntel
CPU family: 6
Model: 106
Model name: Intel(R) Xeon(R) Gold 6334 CPU @ 3.60GHz
Stepping: 6
CPU MHz: 3600.000
CPU max MHz: 3700.0000
CPU min MHz: 800.0000
BogoMIPS: 7200.00
Virtualization: VT-x
L1d cache: 48K
L1i cache: 32K
L2 cache: 1280K
L3 cache: 18432K
NUMA node0 CPU(s): 0-3,16-19
NUMA node1 CPU(s): 4-7,20-23
NUMA node2 CPU(s): 8-11,24-27
NUMA node3 CPU(s): 12-15,28-31
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
aerpmpref pi pmlunlqsd dt6s64 ds_cpl vmx smx est tm2 ssse3 sdbg fma cx16 xtpr pdc
pcid dca sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c
rd Rand lhf_lm abm 3nowprefetch cpuid_fault epb cat_l3 invpcid_single ssbd mba ibrs
ibpb stibp ibrs_enhanced tpr_shadow vnni flex priority ept vpid fsgbase tsc_adjust
bm1 hle avx2 smep bmi2 2 ems invpcid rtm cmq rdt_a avx512f avx512q rdsed adx smap
avx512ifma clflushopt clwb intel_pt avx512cd sha_ni avx512bw avx512vl xsaveopt
xsavec xgetbv1 xsave av xcm nnlc cmq ooccup_llc cmq_mmb_total cmq_mmb_local wbnoinvd
dtherm ida ar at p1n pts avx512vbmi umip pku ospke avx512 vbmi 2 gfi aes vpcmu1qsd
avx512_vnni avx512 bitalg tme avx512 vpoptntdq l57 rdpid md_clear pconfig flush_lid
arch_capabilities

/proc/cpuinfo cache data
cache size : 18432 KB

From numactl --hardware WARNING: a numactl 'node' might or might not correspond to a
physical chip.
available: 4 nodes (0-3)

(Continued on next page)
Inspur Corporation

Inspur NF5280M6 (Intel Xeon Gold 6334)

SPECrate®2017_int_base = 147
SPECrate®2017_int_peak = 152

CPU2017 License: 3358
Test Sponsor: Inspur Corporation
Tested by: Inspur Corporation
Test Date: Jun-2021
Hardware Availability: May-2021
Software Availability: Jan-2021

Platform Notes (Continued)

node 0 cpus: 0 1 2 3 16 17 18 19
node 0 size: 128616 MB
node 0 free: 128441 MB
node 1 cpus: 4 5 6 7 20 21 22 23
node 1 size: 128994 MB
node 1 free: 128840 MB
node 2 cpus: 8 9 10 11 24 25 26 27
node 2 size: 129021 MB
node 2 free: 128769 MB
node 3 cpus: 12 13 14 15 28 29 30 31
node 3 size: 129019 MB
node 3 free: 128860 MB
node distances:
node 0 1 2 3
0: 10 11 20 20
1: 11 10 20 20
2: 20 20 10 11
3: 20 20 11 10

From /proc/meminfo
MemTotal:       528028440 kB
HugePages_Total:       0
Hugepagesize:       2048 kB
/sbin/tuned-adm active
   It seems that tuned daemon is not running, preset profile is not activated.
Preset profile: throughput-performance
/sys/devices/system/cpu/cpu*/cpufreq/scaling_governor has performance

From /etc/*release*/etc/*version*
os-release:
   NAME="Red Hat Enterprise Linux"
   VERSION="8.2 (Ootpa)"
   ID="rhel"
   ID_LIKE="fedora"
   VERSION_ID="8.2"
   PLATFORM_ID="platform:el8"
   PRETTY_NAME="Red Hat Enterprise Linux 8.2 (Ootpa)"
   ANSI_COLOR="0;31"
redhat-release: Red Hat Enterprise Linux release 8.2 (Ootpa)
system-release: Red Hat Enterprise Linux release 8.2 (Ootpa)
system-release-cpe: cpe:/o:redhat:enterprise_linux:8.2:ga

uname -a:
Linux localhost.localdomain 4.18.0-193.el8.x86_64 #1 SMP Fri Mar 27 14:35:58 UTC 2020

(Continued on next page)
Inspur Corporation
Inspur NF5280M6 (Intel Xeon Gold 6334)

SPEC CPU®2017 Integer Rate Result

SPECrates®
SPECrates®
SPECrates®

SPECrate®2017_int_base = 147
SPECrate®2017_int_peak = 152

CPU2017 License: 3358
Test Sponsor: Inspur Corporation
Test Date: Jun-2021
Tested by: Inspur Corporation
Hardware Availability: May-2021
Software Availability: Jan-2021

Platform Notes (Continued)

x86_64 x86_64 x86_64 GNU/Linux

Kernel self-reported vulnerability status:

CVE-2018-12207 (iTLB Multihit): Not affected
CVE-2018-3620 (L1 Terminal Fault): Not affected
Microarchitectural Data Sampling: Not affected
CVE-2017-5754 (Meltdown): Not affected
CVE-2018-3639 (Speculative Store Bypass): Mitigation: Speculative Store Bypass disabled via prctl and seccomp
CVE-2017-5753 (Spectre variant 1): Mitigation: usercopy/swapgs barriers and __user pointer sanitization
CVE-2017-5715 (Spectre variant 2): Mitigation: Enhanced IBRS, IBPB: conditional, RSB filling
CVE-2020-0543 (Special Register Buffer Data Sampling): No status reported
CVE-2019-11135 (TSX Asynchronous Abort): Not affected

run-level 3 Jun 10 11:15

SPEC is set to: /home/CPU2017
Filesystem Type Size Used Avail Use% Mounted on
/dev/mapper/rhel-home xfs 3.6T 238G 3.4T 7% /home

From /sys/devices/virtual/dmi/id
Vendor: MFR
Product: NF5280M6
Product Family: Family
Serial: 380321144

Additional information from dmidecode 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 NO DIMM NO DIMM
16x Samsung M393A4K40DB3-CWE 32 GB 2 rank 3200

BIOS:
BIOS Vendor: American Megatrends Inc.
BIOS Version: 05.00.00
BIOS Date: 04/25/2021
BIOS Revision: 5.22

(End of data from sysinfo program)
Compiler Version Notes

==============================================================================
C       | 500.perlbench_r(peak) 557.xz_r(peak)
Intel(R) C Intel(R) 64 Compiler Classic for applications running on Intel(R)
       64, Version 2021.1 Build 20201112_000000
Copyright (C) 1985-2020 Intel Corporation. All rights reserved.
==============================================================================
C       | 502.gcc_r(peak)
Intel(R) oneAPI DPC++/C++ Compiler for applications running on IA-32, Version
       2021.1 Build 20201113
Copyright (C) 1985-2020 Intel Corporation. All rights reserved.
==============================================================================
C       | 500.perlbench_r(base) 502.gcc_r(base) 505.mcf_r(base, peak)
       | 525.x264_r(base, peak) 557.xz_r(base)
Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64,
       Version 2021.1 Build 20201113
Copyright (C) 1985-2020 Intel Corporation. All rights reserved.
==============================================================================
C       | 500.perlbench_r(peak) 557.xz_r(peak)
Intel(R) C Intel(R) 64 Compiler Classic for applications running on Intel(R)
       64, Version 2021.1 Build 20201112_000000
Copyright (C) 1985-2020 Intel Corporation. All rights reserved.
==============================================================================
C       | 502.gcc_r(peak)
Intel(R) oneAPI DPC++/C++ Compiler for applications running on IA-32, Version
       2021.1 Build 20201113
Copyright (C) 1985-2020 Intel Corporation. All rights reserved.
==============================================================================
C       | 500.perlbench_r(base) 502.gcc_r(base) 505.mcf_r(base, peak)
       | 525.x264_r(base, peak) 557.xz_r(base)
Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64,
       Version 2021.1 Build 20201113
(Continued on next page)
**SPEC CPU®2017 Integer Rate Result**

**Inspur Corporation**

Inspur NF5280M6 (Intel Xeon Gold 6334)

---

**SPECrate®2017_int_base = 147**

**SPECrate®2017_int_peak = 152**

---

<table>
<thead>
<tr>
<th>CPU2017 License:</th>
<th>3358</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Date:</td>
<td>Jun-2021</td>
</tr>
<tr>
<td>Hardware Availability:</td>
<td>May-2021</td>
</tr>
<tr>
<td>Test Sponsor:</td>
<td>Inspur Corporation</td>
</tr>
<tr>
<td>Tested by:</td>
<td>Inspur Corporation</td>
</tr>
</tbody>
</table>

---

**Compiler Version Notes (Continued)**

Copyright (C) 1985-2020 Intel Corporation. All rights reserved.

---

**Intel(R) C Compiler Classic for applications running on Intel(R) 64, Version 2021.1 Build 20201112_000000**

Copyright (C) 1985-2020 Intel Corporation. All rights reserved.

---

**Intel(R) oneAPI DPC++/C++ Compiler for applications running on IA-32, Version 2021.1 Build 20201113**

Copyright (C) 1985-2020 Intel Corporation. All rights reserved.

---

**Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64, Version 2021.1 Build 20201113**

Copyright (C) 1985-2020 Intel Corporation. All rights reserved.

---

**Intel(R) Fortran Compiler Classic for applications running on Intel(R) 64, Version 2021.1 Build 20201112_000000**

Copyright (C) 1985-2020 Intel Corporation. All rights reserved.
# SPEC CPU®2017 Integer Rate Result

**Inspur Corporation**

**Inspur NF5280M6 (Intel Xeon Gold 6334)**

<table>
<thead>
<tr>
<th>SPECrate®2017_int_base</th>
<th>SPECrate®2017_int_peak</th>
</tr>
</thead>
<tbody>
<tr>
<td>147</td>
<td>152</td>
</tr>
</tbody>
</table>

**CPU2017 License:** 3358  
**Test Sponsor:** Inspur Corporation  
**Tested by:** Inspur Corporation  
**Test Date:** Jun-2021  
**Hardware Availability:** May-2021  
**Software Availability:** Jan-2021

## Base Compiler Invocation

C benchmarks:  
`icx`

C++ benchmarks:  
`icpx`

Fortran benchmarks:  
`ifort`

## Base Portability Flags

```plaintext
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:  
```plaintext
-w -std=c11 -m64 -Wl,-z,muldefs -xCORE-AVX512 -O3 -ffast-math  
-flto -mfpmath=sse -funroll-loops -qopt-mem-layout-trans=4  
-mbranches-within-32B-boundaries  
-L/opt/intel/oneapi/compiler/2021.1.1/linux/compiler/lib/intel64_lin  
-lqkmalloc
```

C++ benchmarks:  
```plaintext
-w -m64 -Wl,-z,muldefs -xCORE-AVX512 -O3 -ffast-math -flto  
-mfpmath=sse -funroll-loops -qopt-mem-layout-trans=4  
-mbranches-within-32B-boundaries  
-L/opt/intel/oneapi/compiler/2021.1.1/linux/compiler/lib/intel64_lin  
-lqkmalloc
```

Fortran benchmarks:  
```plaintext
-w -m64 -Wl,-z,muldefs -xCORE-AVX512 -O3 -ipo -no-prec-div  
-qopt-mem-layout-trans=4 -nostandard-realloc-lhs -align array32byte  
-auto -mbranches-within-32B-boundaries
```

(Continued on next page)
Insprur Corporation

Inspur NF5280M6 (Intel Xeon Gold 6334)

SPEC CPU®2017 Integer Rate Result

Copyright 2017-2021 Standard Performance Evaluation Corporation

SPECrate®2017_int_base = 147
SPECrate®2017_int_peak = 152

CPU2017 License: 3358
Test Sponsor: Inspur Corporation
Test Date: Jun-2021
Tested by: Inspur Corporation
Hardware Availability: May-2021
Software Availability: Jan-2021

Base Optimization Flags (Continued)

Fortran benchmarks (continued):
-L/opt/intel/oneapi/compiler/2021.1.1/linux/compiler/lib/intel64_lin
-lqkmalloc

Peak Compiler Invocation

C benchmarks (except as noted below):
icx

500.perlbench_r: icc

557.xz_r: icc

C++ benchmarks:
icpx

Fortran benchmarks:
ifort

Peak Portability Flags

500.perlbench_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.perlbench_r: -Wl,-z,muldefs -prof-gen(pass 1) -prof-use(pass 2)
-xCORE-AVX512 -ipo -03 -no-prec-div
-qopt-mem-layout-trans=4 -fno-strict-overflow
-mbranches-within-32B-boundaries

(Continued on next page)
Inspur Corporation

Inspur NF5280M6 (Intel Xeon Gold 6334)

SPEC CPU®2017 Integer Rate Result

Copyright 2017-2021 Standard Performance Evaluation Corporation

Peak Optimization Flags (Continued)

500.perlbench_r (continued):
-L/opt/intel/oneapi/compiler/2021.1.1/linux/compiler/lib/intel64_lin
-lqkmalloc

502.gcc_r: -m32
-L/opt/intel/oneapi/compiler/2021.1.1/linux/compiler/lib/ia32_lin
-std=gnu89 -Wl,-z,muldefs -fprofile-generate(pass1)
-fprofile-use=default.profdata(pass 2) -xCORE-AVX512 -flto
-Ofast(pass 1) -O3 -ffast-math -gopt-mem-layout-trans=4
-mbranches-within-32B-boundsaries
-L/usr/local/jemalloc32-5.0.1/lib -ljemalloc

505.mcf_r: basepeak = yes

525.x264_r: -w -std=c11 -m64 -Wl,-z,muldefs -xCORE-AVX512 -flto
-O3 -ffast-math -gopt-mem-layout-trans=4 -fno-alias
-mbranches-within-32B-boundsaries
-L/opt/intel/oneapi/compiler/2021.1.1/linux/compiler/lib/intel64_lin
-lqkmalloc

557.xz_r: -Wl,-z,muldefs -xCORE-AVX512 -ipo -O3 -no-prec-div
-gopt-mem-layout-trans=4 -mbranches-within-32B-boundsaries
-L/opt/intel/oneapi/compiler/2021.1.1/linux/compiler/lib/intel64_lin
-lqkmalloc

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/Inspur-Platform-Settings-V2.0.html

You can also download the XML flags sources by saving the following links:
http://www.spec.org/cpu2017/flags/Intel-ic2021-official-linux64_revA.xml
http://www.spec.org/cpu2017/flags/Inspur-Platform-Settings-V2.0.xml
## SPEC CPU®2017 Integer Rate Result

**Inspur Corporation**  
**Inspur NF5280M6 (Intel Xeon Gold 6334)**

<table>
<thead>
<tr>
<th>SPECrate®2017_int_base</th>
<th>SPECrate®2017_int_peak</th>
</tr>
</thead>
<tbody>
<tr>
<td>147</td>
<td>152</td>
</tr>
</tbody>
</table>

**CPU2017 License:** 3358  
**Test Sponsor:** Inspur Corporation  
**Tested by:** Inspur Corporation  

| Test Date | Jun-2021  
|-----------|-----------|
| Hardware Availability | May-2021  
| Software Availability | Jan-2021  

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®2017 v1.1.7 on 2021-06-10 11:16:37-0400.  
Report generated on 2021-07-06 18:36:34 by CPU2017 PDF formatter v6442.  
Originally published on 2021-07-06.