SPEC CPU®2017 Integer Rate Result

xFusion

FusionServer 1288 V8 (Intel Xeon 6710E)

$SPECrate^{®}2017\_int\_base =$ 720

$SPECrate^{®}2017\_int\_peak =$ Not Run

CPU2017 License: 6488
Test Sponsor: xFusion
Tested by: xFusion

Test Date: Feb-2026
Hardware Availability: May-2025
Software Availability: Apr-2024

Benchmark	Copies	Result
500.perlbench_r	128	562
502.gcc_r	128	450
505.mcf_r	128	1030
520.omnetpp_r	128	366
523.xalancbmk_r	128	922
525.x264_r	128	1600
531.deepsjeng_r	128	691
541.leela_r	128	548
548.exchange2_r	128	2300
557.xz_r	128	304

SPECrate®2017_int_base (720)

Hardware

CPU Name: Intel Xeon 6710E
 Max MHz: 3200
 Nominal: 2400
Enabled: 128 cores, 2 chips
Orderable: 1,2 chips
Cache L1: 64 KB I + 32 KB D on chip per core
 L2: 4 MB I+D on chip per core
 L3: 96 MB I+D on chip per chip
 Other: None
Memory: 512 GB (16 x 32 GB 2Rx8 PC5-6400B-R, running at 5600)
Storage: 1 x 1.92 TB SATA SSD
Other: CPU Cooling: Air

Software

OS: Red Hat Enterprise Linux 9.4 (Plow)
 5.14.0-427.13.1.el9_4.x86_64
Compiler: C/C++: Version 2024.1 of Intel oneAPI DPC++/C++ Compiler for Linux;
 Fortran: Version 2024.1 of Intel Fortran Compiler for Linux;
Parallel: No
Firmware: Version 01.31.01.19 released Dec-2025
File System: xfs
System State: Run level 3 (multi-user)
Base Pointers: 64-bit
Peak Pointers: Not Applicable
Other: None
Power Management: BIOS and OS set to prefer performance at the cost of additional power usage.

https://www.spec.org/

SPEC CPU®2017 Integer Rate Result

Copyright 2017-2026 Standard Performance Evaluation Corporation
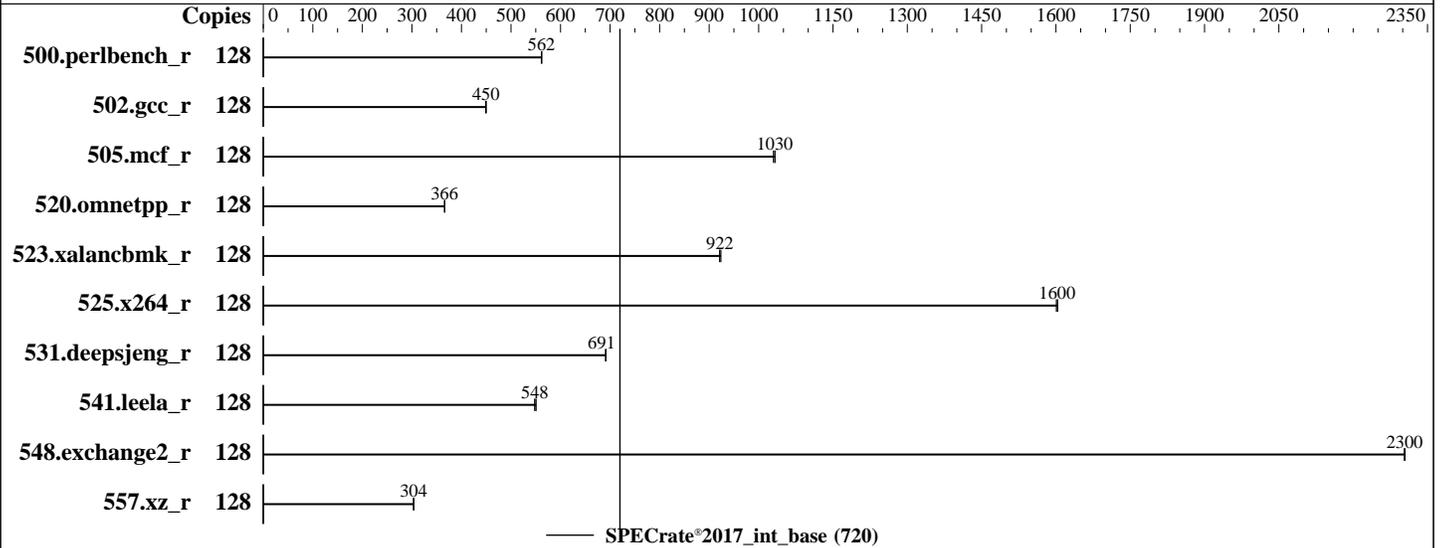
xFusion

FusionServer 1288 V8 (Intel Xeon 6710E)

SPECrate®2017_int_base =   720

SPECrate®2017_int_peak = Not Run

CPU2017 License: 6488	
Test Sponsor: xFusion	
Tested by: xFusion	

Test Date: Feb-2026
Hardware Availability: May-2025
Software Availability: Apr-2024

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
500.perlbench_r	128	**363**	**562**	363	562	363	562							
502.gcc_r	128	404	449	403	450	**403**	**450**							
505.mcf_r	128	**200**	**1030**	200	1030	201	1030							
520.omnetpp_r	128	459	366	**459**	**366**	459	366							
523.xalancbmk_r	128	146	924	**147**	**922**	147	921							
525.x264_r	128	140	1600	140	1600	**140**	**1600**							
531.deepsjeng_r	128	212	691	**212**	**691**	212	691							
541.leela_r	128	385	551	387	548	**387**	**548**							
548.exchange2_r	128	**146**	**2300**	146	2300	146	2300							
557.xz_r	128	456	303	455	304	**455**	**304**							
SPECrate®2017_int_base =		**720**												
SPECrate®2017_int_peak =		**Not Run**												

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"
tuned-adm profile was set to throughput-performance using "tuned-adm profile throughput-performance"
```

Environment Variables Notes

```
Environment variables set by runcpu before the start of the run:
LD_LIBRARY_PATH = "/home/QYL/cpu2017/lib/intel64:/home/QYL/cpu2017/lib/ia32:/home/QYL/cpu2017/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.
Yes: The test sponsor attests, as of date of publication, that CVE-2017-5715 (Spectre variant 2)
```

(Continued on next page)

xFusion

SPECrate®2017_int_base = 720

FusionServer 1288 V8 (Intel Xeon 6710E)

SPECrate®2017_int_peak = Not Run

CPU2017 License: 6488
Test Sponsor: xFusion
Tested by: xFusion

Test Date: Feb-2026
Hardware Availability: May-2025
Software Availability: Apr-2024

General Notes (Continued)

```
is mitigated in the system as tested and documented.
```

Platform Notes

```
  BIOS configuration:
  Performance Profile Set to Performance
  Latency Optimized Mode Set to Enabled

  Sysinfo program /home/QYL/cpu2017/bin/sysinfo
  Rev: r6732 of 2022-11-07 fe91c89b7ed5c36ae2c92cc097bec197
  running on localhost.localdomain Fri Feb  6 09:33:32 2026

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

  ------------------------------------------------------------
  Table of contents
  ------------------------------------------------------------
   1. uname -a
   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 252 (252-32.el9_4)
  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
  ------------------------------------------------------------


  ------------------------------------------------------------
  1. uname -a
    Linux localhost.localdomain 5.14.0-427.13.1.el9_4.x86_64 #1 SMP PREEMPT_DYNAMIC Wed Apr 10 10:29:16 EDT
    2024 x86_64 x86_64 x86_64 GNU/Linux


  ------------------------------------------------------------
  2. w
     09:33:32 up  7:33,  1 user,  load average: 4.63, 65.48, 101.42
    USER     TTY        LOGIN@   IDLE   JCPU   PCPU WHAT
    root     tty1      02:00    7:32m  1.50s  0.09s sh run_rate.sh

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


  ------------------------------------------------------------
  4. ulimit -a
```

(Continued on next page)

xFusion

SPECrate®2017_int_base = 720

FusionServer 1288 V8 (Intel Xeon 6710E)

SPECrate®2017_int_peak = Not Run

CPU2017 License: 6488
Test Sponsor: xFusion
Tested by: xFusion

Test Date: Feb-2026
Hardware Availability: May-2025
Software Availability: Apr-2024

Platform Notes (Continued)

```
   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) 2060110
   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) 2060110
   virtual memory              (kbytes, -v) unlimited
   file locks                       (-x) unlimited

 --------------------------------------------------------
 5. sysinfo process ancestry
 /usr/lib/systemd/systemd --switched-root --system --deserialize 31
  login -- root
  -bash
  sh loop.sh
  sh run_rate.sh
  runcpu --nobuild --action validate --define default-platform-flags --define numcopies=128 -c
    ic2024.1-lin-sierraforest-rate-20240308.cfg --define smt-on --define cores=128 --define physicalfirst
    --define invoke_with_interleave --define drop_caches --reportable --tune base -o all intrate
  runcpu --nobuild --action validate --define default-platform-flags --define numcopies=128 --configfile
    ic2024.1-lin-sierraforest-rate-20240308.cfg --define smt-on --define cores=128 --define physicalfirst
    --define invoke_with_interleave --define drop_caches --reportable --tune base --output_format all
    --nopower --runmode rate --tune base --size refrate intrate --nopreenv --note-preenv --logfile
    $SPEC/tmp/CPU2017.001/templogs/preenv.intrate.001.0.log --lognum 001.0 --from_runcpu 2
  specperl $SPEC/bin/sysinfo
 $SPEC = /home/QYL/cpu2017


 --------------------------------------------------------
 6. /proc/cpuinfo
    model name      : Intel(R) Xeon(R) 6710E
    vendor_id       : GenuineIntel
    cpu family      : 6
    model           : 175
    stepping        : 3
    microcode       : 0x3000362
    bugs            : spectre_v1 spectre_v2 spec_store_bypass swapgs
    cpu cores       : 64
    siblings        : 64
    2 physical ids (chips)
    128 processors (hardware threads)
    physical id 0: core ids 0-63
    physical id 1: core ids 0-63
    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
    physical id 1: apicids
    512,514,516,518,520,522,524,526,528,530,532,534,536,538,540,542,544,546,548,550,552,554,556,558,560,562,5
    64,566,568,570,572,574,576,578,580,582,584,586,588,590,592,594,596,598,600,602,604,606,608,610,612,614,61
    6,618,620,622,624,626,628,630,632,634,636,638
  Caution: /proc/cpuinfo data regarding chips, cores, and threads is not necessarily reliable, especially for
  virtualized systems.  Use the above data carefully.
```

(Continued on next page)

xFusion

FusionServer 1288 V8 (Intel Xeon 6710E)

SPECrate®2017_int_base = 720

SPECrate®2017_int_peak = Not Run

CPU2017 License: 6488
Test Sponsor: xFusion
Tested by: xFusion

Test Date: Feb-2026
Hardware Availability: May-2025
Software Availability: Apr-2024

Platform Notes (Continued)

```
   -------------------------------------------------------------
   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):                         128
     On-line CPU(s) list:            0-127
     Vendor ID:                      GenuineIntel
     BIOS Vendor ID:                 Intel(R) Corporation
     Model name:                     Intel(R) Xeon(R) 6710E
     BIOS Model name:                Intel(R) Xeon(R) 6710E
     CPU family:                     6
     Model:                          175
     Thread(s) per core:             1
     Core(s) per socket:             64
     Socket(s):                      2
     Stepping:                       3
     BogoMIPS:                       4800.00
     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 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
                                     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 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_l1d arch_capabilities
     Virtualization:                 VT-x
     L1d cache:                      4 MiB (128 instances)
     L1i cache:                      8 MiB (128 instances)
     L2 cache:                       128 MiB (32 instances)
     L3 cache:                       192 MiB (2 instances)
     NUMA node(s):                   2
     NUMA node0 CPU(s):              0-63
     NUMA node1 CPU(s):              64-127
     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 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, RSB filling,
                                         PBRSB-eIBRS Not affected
     Vulnerability Srbds:            Not affected
     Vulnerability Tsx async abort:  Not affected
```

xFusion

FusionServer 1288 V8 (Intel Xeon 6710E)

SPECrate®2017_int_base =   720

SPECrate®2017_int_peak = Not Run

CPU2017 License: 6488
Test Sponsor: xFusion
Tested by: xFusion

Test Date: Feb-2026
Hardware Availability: May-2025
Software Availability: Apr-2024

Platform Notes (Continued)

```
From lscpu --cache:
    NAME ONE-SIZE ALL-SIZE WAYS TYPE          LEVEL   SETS PHY-LINE COHERENCY-SIZE
    L1d       32K       4M    8 Data              1     64        1             64
    L1i       64K       8M    8 Instruction       1    128        1             64
    L2         4M     128M   16 Unified           2   4096        1             64
    L3        96M     192M   12 Unified           3 131072        1             64


-------------------------------------------------------------
8. numactl --hardware
NOTE: a numactl 'node' might or might not correspond to a physical chip.
  available: 2 nodes (0-1)
  node 0 cpus: 0-63
  node 0 size: 257080 MB
  node 0 free: 255488 MB
  node 1 cpus: 64-127
  node 1 size: 257986 MB
  node 1 free: 256279 MB
  node distances:
  node   0   1
    0:  10  21
    1:  21  10


-------------------------------------------------------------
9. /proc/meminfo
  MemTotal:       527428656 kB


-------------------------------------------------------------
10. who -r
  run-level 3 Feb 6 02:00


-------------------------------------------------------------
11. Systemd service manager version: systemd 252 (252-32.el9_4)
  Default Target  Status
  multi-user      running


-------------------------------------------------------------
12. Services, from systemctl list-unit-files
  STATE            UNIT FILES
  enabled          NetworkManager NetworkManager-dispatcher NetworkManager-wait-online auditd chronyd crond
                   dbus-broker getty@ insights-client-boot irqbalance kdump low-memory-monitor mdmonitor
                   microcode nis-domainname rhsmcertd rsyslog rtkit-daemon selinux-autorelabel-mark sshd sssd
                   systemd-boot-update systemd-network-generator tuned udisks2 upower
  enabled-runtime  systemd-remount-fs
  disabled         canberra-system-bootup canberra-system-shutdown canberra-system-shutdown-reboot
                   chrony-wait chronyd-restricted console-getty cpupower debug-shell dnf-system-upgrade
                   firewalld kvm_stat man-db-restart-cache-update nftables pesign rdisc rhcd rhsm rhsm-facts
                   rpmdb-rebuild selinux-check-proper-disable serial-getty@ sshd-keygen@
                   systemd-boot-check-no-failures systemd-pstore systemd-sysext
  indirect         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=(hd0,gpt3)/boot/vmlinuz-5.14.0-427.13.1.el9_4.x86_64
  root=UUID=7d136b45-1b14-4f69-8f42-af96fcf5aac4
  ro
  crashkernel=1G-4G:192M,4G-64G:256M,64G-:512M
  resume=UUID=0cfdca5d-346e-4756-a6a6-914941d0559e


-------------------------------------------------------------
```

(Continued on next page)

xFusion

SPECrate®2017_int_base =   720

FusionServer 1288 V8 (Intel Xeon 6710E)

SPECrate®2017_int_peak = Not Run

CPU2017 License: 6488
Test Sponsor: xFusion
Tested by: xFusion

Test Date: Feb-2026
Hardware Availability: May-2025
Software Availability: Apr-2024

Platform Notes (Continued)

```
 14. cpupower frequency-info
   analyzing CPU 123:
     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
   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 9.4 (Plow)
   redhat-release Red Hat Enterprise Linux release 9.4 (Plow)
   system-release Red Hat Enterprise Linux release 9.4 (Plow)


  -------------------------------------------------------------
 20. Disk information
 SPEC is set to: /home/QYL/cpu2017
```

(Continued on next page)

SPEC CPU®2017 Integer Rate Result

Copyright 2017-2026 Standard Performance Evaluation Corporation

xFusion

FusionServer 1288 V8 (Intel Xeon 6710E)

SPECrate®2017_int_base =   720

SPECrate®2017_int_peak = Not Run

CPU2017 License: 6488
Test Sponsor: xFusion
Tested by: xFusion

Test Date: Feb-2026
Hardware Availability: May-2025
Software Availability: Apr-2024

Platform Notes (Continued)

```
  Filesystem      Type  Size  Used Avail Use% Mounted on
  /dev/sda3       xfs   350G   34G  317G  10% /


  -----------------------------------------------------------
 21. /sys/devices/virtual/dmi/id
     Vendor:         XFUSION
     Product:        1288 V8
     Product Family: Birch Stream


  -----------------------------------------------------------
 22. 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:
     3x Samsung M321R4GA3EB2-CCPPC 32 GB 2 rank 6400, configured at 5600
     1x Samsung M321R4GA3EB2-CCPWC 32 GB 2 rank 6400, configured at 5600
     12x Samsung M321R4GA3EB2-CCPWF 32 GB 2 rank 6400, configured at 5600


  -----------------------------------------------------------
 23. BIOS
 (This section combines info from /sys/devices and dmidecode.)
     BIOS Vendor:      XFUSION
     BIOS Version:     01.31.01.19
     BIOS Date:        12/18/2025
     BIOS Revision:    1.19
```

Compiler Version Notes

```
==============================================================================================================
C       | 500.perlbench_r(base) 502.gcc_r(base) 505.mcf_r(base) 525.x264_r(base) 557.xz_r(base)
--------------------------------------------------------------------------------------------------------------
Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64, Version 2024.1.0 Build 20240308
Copyright (C) 1985-2024 Intel Corporation. All rights reserved.
--------------------------------------------------------------------------------------------------------------


==============================================================================================================
C++     | 520.omnetpp_r(base) 523.xalancbmk_r(base) 531.deepsjeng_r(base) 541.leela_r(base)
--------------------------------------------------------------------------------------------------------------
Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64, Version 2024.1.0 Build 20240308
Copyright (C) 1985-2024 Intel Corporation. All rights reserved.
--------------------------------------------------------------------------------------------------------------


==============================================================================================================
Fortran | 548.exchange2_r(base)
--------------------------------------------------------------------------------------------------------------
Intel(R) Fortran Compiler for applications running on Intel(R) 64, Version 2024.1.0 Build 20240308
Copyright (C) 1985-2024 Intel Corporation. All rights reserved.
--------------------------------------------------------------------------------------------------------------
```

Base Compiler Invocation

C benchmarks:

icx

(Continued on next page)

xFusion

FusionServer 1288 V8 (Intel Xeon 6710E)

SPECrate®2017_int_base =   720

SPECrate®2017_int_peak = Not Run

CPU2017 License: 6488
Test Sponsor: xFusion
Tested by: xFusion

Test Date: Feb-2026
Hardware Availability: May-2025
Software Availability: Apr-2024

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 -xsierraforest -O3 -ffast-math
-flto -mfpmath=sse -funroll-loops -qopt-mem-layout-trans=4
-L/opt/intel/oneapi/compiler/2024.1/lib -lqkmalloc

C++ benchmarks:
-w -std=c++14 -m64 -Wl,-z,muldefs -xsierraforest -O3 -ffast-math
-flto -mfpmath=sse -funroll-loops -qopt-mem-layout-trans=4
-L/opt/intel/oneapi/compiler/2024.1/lib -lqkmalloc

Fortran benchmarks:
-w -m64 -Wl,-z,muldefs -xsierraforest -O3 -ffast-math -flto
-mfpmath=sse -funroll-loops -qopt-mem-layout-trans=4
-nostandard-realloc-lhs -align array32byte -auto
-L/opt/intel/oneapi/compiler/2024.1/lib -lqkmalloc

SPEC CPU®2017 Integer Rate Result

Copyright 2017-2026 Standard Performance Evaluation Corporation

xFusion

FusionServer 1288 V8 (Intel Xeon 6710E)

SPECrate®2017_int_base = 720

SPECrate®2017_int_peak = Not Run

CPU2017 License: 6488	
Test Sponsor: xFusion	
Tested by: xFusion	

Test Date: Feb-2026
Hardware Availability: May-2025
Software Availability: Apr-2024

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

http://www.spec.org/cpu2017/flags/Intel-ic2024-official-linux64.html
http://www.spec.org/cpu2017/flags/xFusion-Platform-Settings-GNR-V1.7.html

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

http://www.spec.org/cpu2017/flags/Intel-ic2024-official-linux64.xml
http://www.spec.org/cpu2017/flags/xFusion-Platform-Settings-GNR-V1.7.xml

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 2026-02-05 20:33:31-0500.
Report generated on 2026-02-25 10:35:24 by CPU2017 PDF formatter v6716.
Originally published on 2026-02-25.