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# EGX_Edge_RTX2080

Intel Core i3-9100E testing with a GIGABYTE MH310AP-SI (F1 BIOS) and Gigabyte Intel UHD 630 8GB on Ubuntu 18.04 via the Phoronix Test Suite.

**Automated Executive Summary**

*M.2_mSATA ATA_128GB had the most wins, coming in first place for 50% of the tests.*

*The results with the greatest spread from best to worst included:*

*GLmark2 (Resolution: 3840 x 2160) at 58.778x*
*GLmark2 (Resolution: 2560 x 1440) at 41.984x*
*GLmark2 (Resolution: 1920 x 1200) at 33.995x*
*GLmark2 (Resolution: 1920 x 1080) at 31.648x*
*GLmark2 (Resolution: 1600 x 1200) at 30.395x*
*GLmark2 (Resolution: 1280 x 1024) at 22.591x*
*Flexible IO Tester (Type: Sequential Read - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 8MB - Disk Target: Default Test Directory) at 21x*
*GLmark2 (Resolution: 1024 x 768) at 12.528x*
*Flexible IO Tester (Type: Sequential Read - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory) at 11.989x*
*Flexible IO Tester (Type: Sequential Read - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk*

*Target: Default Test Directory) at 11.962x.*

# Test Systems:

## M.2_mSATA ATA_128GB

## USB3.0

Processor: Intel Core i3-9100E @ 3.10GHz (4 Cores), Motherboard: GIGABYTE MH310AP-SI (F1 BIOS), Chipset: Intel Cannon Lake PCH, Memory: 1 x 8192 MB DDR4-2400MT/s GSLG42F-18----------, Disk: 128GB SATA Flash + 62GB Ultra USB 3.0, Graphics: NVIDIA GeForce RTX 2080 8GB (1515/7000MHz), Audio: Realtek ALC887-VD, Monitor: Acer KG281K, Network: Intel I219-V + 3 x Intel I211

OS: Ubuntu 18.04, Kernel: 5.4.0-51-generic (x86_64), Desktop: GNOME Shell 3.28.4, Display Server: X Server 1.20.8, Display Driver: NVIDIA 450.66, OpenGL: 4.6.0, Compiler: GCC 7.5.0 + CUDA 10.1, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic --without-cuda-driver -v
Disk Notes: MQ-DEADLINE / errors=remount-ro,relatime,rw
Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0xd6
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT disabled + mds: Mitigation of Clear buffers; SMT disabled + meltdown: Mitigation of PTI + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbds: Mitigation of Microcode + tsx_async_abort: Not affected

## USB3.0 run2

## USB2.0

Processor: Intel Core i3-9100E @ 3.10GHz (4 Cores), Motherboard: GIGABYTE MH310AP-SI (F1 BIOS), Chipset: Intel Cannon Lake PCH, Memory: 1 x 8192 MB DDR4-2400MT/s GSLG42F-18----------, Disk: 128GB SATA Flash + 16GB USB Drive 3ME, Graphics: NVIDIA GeForce RTX 2080 8GB (1515/7000MHz), Audio: Realtek ALC887-VD, Monitor: Acer KG281K, Network: Intel I219-V + 3 x Intel I211

OS: Ubuntu 18.04, Kernel: 5.4.0-51-generic (x86_64), Desktop: GNOME Shell 3.28.4, Display Server: X Server 1.20.8, Display Driver: NVIDIA 450.66, OpenGL: 4.6.0, Compiler: GCC 7.5.0 + CUDA 10.1, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic --without-cuda-driver -v
Disk Notes: MQ-DEADLINE / errors=remount-ro,relatime,rw
Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0xd6
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT disabled + mds: Mitigation of Clear buffers; SMT disabled + meltdown: Mitigation of PTI + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbds: Mitigation of Microcode + tsx_async_abort: Not affected

## USB2.0 run2

Processor: Intel Core i3-9100E @ 3.10GHz (4 Cores), Motherboard: GIGABYTE MH310AP-SI (F1 BIOS), Chipset: Intel Cannon Lake PCH, Memory: 1 x 8192 MB DDR4-2400MT/s GSLG42F-18----------, Disk: 128GB SATA Flash + 16GB USB Drive 3ME, Graphics: NVIDIA GeForce RTX 2080 8GB (420/405MHz), Audio: Realtek ALC887-VD, Monitor: Acer KG281K, Network: Intel I219-V + 3 x Intel I211

OS: Ubuntu 18.04, Kernel: 5.4.0-51-generic (x86_64), Desktop: GNOME Shell 3.28.4, Display Server: X Server 1.20.8, Display Driver: NVIDIA 450.66, OpenGL: 4.6.0, Compiler: GCC 7.5.0 + CUDA 10.1, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic --without-cuda-driver -v
Disk Notes: MQ-DEADLINE / errors=remount-ro,relatime,rw
Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0xd6
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT disabled + mds: Mitigation of Clear buffers; SMT disabled + meltdown: Mitigation of PTI + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbds: Mitigation of Microcode + tsx_async_abort: Not affected

## Graphics Test

Processor: Intel Core i3-9100E @ 3.10GHz (4 Cores), Motherboard: GIGABYTE MH310AP-SI (F1 BIOS), Chipset: Intel Cannon Lake PCH, Memory: 1 x 8192 MB DDR4-2400MT/s GSLG42F-18----------, Disk: 128GB SATA Flash, Graphics: Gigabyte Intel UHD 630 8GB (1515/7000MHz), Audio: Realtek ALC887-VD, Monitor: Acer KG281K, Network: Intel I219-V + 3 x Intel I211

OS: Ubuntu 18.04, Kernel: 5.4.0-51-generic (x86_64), Desktop: GNOME Shell 3.28.4, Display Server: X Server 1.20.8, Display Driver: NVIDIA 450.66, OpenGL: 4.6 Mesa 20.0.8, Compiler: GCC 7.5.0 + CUDA 10.1, File-System: ext4, Screen Resolution: 3840x2160

Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0xd6
Graphics Notes: SNA
Python Notes: Python 2.7.17 + Python 3.6.9
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT disabled + mds: Mitigation of Clear buffers; SMT disabled + meltdown: Mitigation of PTI + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbds: Mitigation of Microcode + tsx_async_abort: Not affected

## Gigabyte NVIDIA GeForce RTX 2080

Processor: Intel Core i3-9100E @ 3.10GHz (4 Cores), Motherboard: GIGABYTE MH310AP-SI (F1 BIOS), Chipset: Intel Cannon Lake PCH, Memory: 1 x 8192 MB DDR4-2400MT/s GSLG42F-18----------, Disk: 128GB SATA Flash, Graphics: Gigabyte NVIDIA GeForce RTX 2080 8GB (1515/7000MHz), Audio: Realtek ALC887-VD, Monitor: Acer KG281K, Network: Intel I219-V + 3 x Intel I211

OS: Ubuntu 18.04, Kernel: 5.4.0-51-generic (x86_64), Desktop: GNOME Shell 3.28.4, Display Server: X Server 1.20.8, Display Driver: NVIDIA 450.66, OpenGL: 4.6.0, Compiler: GCC 7.5.0 + CUDA 10.1, File-System: ext4, Screen Resolution: 3840x2160

Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0xd6
Python Notes: Python 2.7.17 + Python 3.6.9
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT disabled + mds: Mitigation of Clear buffers; SMT disabled + meltdown: Mitigation of PTI + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbds: Mitigation of Microcode + tsx_async_abort: Not affected

## CPU stress

## CPU stress 1

## DRAM Test

Processor: Intel Core i3-9100E @ 3.10GHz (4 Cores), Motherboard: GIGABYTE MH310AP-SI (F1 BIOS), Chipset: Intel Cannon Lake PCH, Memory: 1 x 8192 MB DDR4-2400MT/s GSLG42F-18----------, Disk: 128GB SATA Flash, Graphics: Gigabyte NVIDIA GeForce RTX 2080 8GB (1515/7000MHz), Audio: Realtek ALC887-VD, Monitor: Acer KG281K, Network: Intel I219-V + 3 x Intel I211

OS: Ubuntu 18.04, Kernel: 5.4.0-51-generic (x86_64), Desktop: GNOME Shell 3.28.4, Display Server: X Server 1.20.8, Display Driver: NVIDIA 450.66, OpenGL: 4.6.0, Compiler: GCC 7.5.0 + CUDA 10.1, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0xd6
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT disabled + mds: Mitigation of Clear buffers; SMT disabled + meltdown: Mitigation of PTI + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbds: Mitigation of Microcode + tsx_async_abort: Not affected

## USB3.0 Port1

Processor: Intel Core i3-9100E @ 3.10GHz (4 Cores), Motherboard: GIGABYTE MH310AP-SI (F1 BIOS), Chipset: Intel Cannon Lake PCH, Memory: 1 x 8192 MB DDR4-2400MT/s GSLG42F-18----------, Disk: 128GB SATA Flash + 16GB USB Drive 3ME, Graphics: Gigabyte Intel UHD 630 8GB (1515/7000MHz), Audio: Realtek ALC887-VD, Monitor: Acer KG281K, Network: Intel I219-V + 3 x Intel I211

OS: Ubuntu 18.04, Kernel: 5.4.0-51-generic (x86_64), Desktop: GNOME Shell 3.28.4, Display Server: X Server 1.20.8, Display Driver: NVIDIA 450.66, OpenGL: 4.6 Mesa 20.0.8, Compiler: GCC 7.5.0 + CUDA 10.1, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic --without-cuda-driver -v
Disk Notes: MQ-DEADLINE / errors=remount-ro,relatime,rw
Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0xd6
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT disabled + mds: Mitigation of Clear buffers; SMT disabled + meltdown: Mitigation of PTI + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbds: Mitigation of Microcode + tsx_async_abort: Not affected

## USB3.0 port2

## USB3.0 Port3

Processor: Intel Core i3-9100E @ 3.10GHz (4 Cores), Motherboard: GIGABYTE MH310AP-SI (F1 BIOS), Chipset: Intel Cannon Lake PCH, Memory: 1 x 8192 MB DDR4-2400MT/s GSLG42F-18----------, Disk: 128GB SATA Flash + 16GB USB Drive 3ME, Graphics: Gigabyte Intel UHD 630 8GB (435/405MHz), Audio: Realtek ALC887-VD, Monitor: Acer KG281K, Network: Intel I219-V + 3 x Intel I211

OS: Ubuntu 18.04, Kernel: 5.4.0-51-generic (x86_64), Desktop: GNOME Shell 3.28.4, Display Server: X Server 1.20.8,

Display Driver: NVIDIA 450.66, OpenGL: 4.6 Mesa 20.0.8, Compiler: GCC 7.5.0 + CUDA 10.1, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic --without-cuda-driver -v
Disk Notes: MQ-DEADLINE / errors=remount-ro,relatime,rw
Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0xd6
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT disabled + mds: Mitigation of Clear buffers; SMT disabled + meltdown: Mitigation of PTI + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbds: Mitigation of Microcode + tsx_async_abort: Not affected

## USB3.0 Port4

Processor: Intel Core i3-9100E @ 3.10GHz (4 Cores), Motherboard: GIGABYTE MH310AP-SI (F1 BIOS), Chipset: Intel Cannon Lake PCH, Memory: 1 x 8192 MB DDR4-2400MT/s GSLG42F-18----------, Disk: 128GB SATA Flash + 16GB USB Drive 3ME, Graphics: Gigabyte Intel UHD 630 8GB (1515/7000MHz), Audio: Realtek ALC887-VD, Monitor: Acer KG281K, Network: Intel I219-V + 3 x Intel I211

OS: Ubuntu 18.04, Kernel: 5.4.0-51-generic (x86_64), Desktop: GNOME Shell 3.28.4, Display Server: X Server 1.20.8, Display Driver: NVIDIA 450.66, OpenGL: 4.6 Mesa 20.0.8, Compiler: GCC 7.5.0 + CUDA 10.1, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic --without-cuda-driver -v
Disk Notes: MQ-DEADLINE / errors=remount-ro,relatime,rw
Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0xd6
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT disabled + mds: Mitigation of Clear buffers; SMT disabled + meltdown: Mitigation of PTI + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbds: Mitigation of Microcode + tsx_async_abort: Not affected

## USB2.0 Port1

## USB2.0 port 1

Processor: Intel Core i3-9100E @ 3.10GHz (4 Cores), Motherboard: GIGABYTE MH310AP-SI (F1 BIOS), Chipset: Intel Cannon Lake PCH, Memory: 1 x 8192 MB DDR4-2400MT/s GSLG42F-18----------, Disk: 128GB SATA Flash + 16GB USB Drive 3ME, Graphics: Gigabyte Intel UHD 630 8GB (435/405MHz), Audio: Realtek ALC887-VD, Monitor: Acer KG281K, Network: Intel I219-V + 3 x Intel I211

OS: Ubuntu 18.04, Kernel: 5.4.0-51-generic (x86_64), Desktop: GNOME Shell 3.28.4, Display Server: X Server 1.20.8, Display Driver: NVIDIA 450.66, OpenGL: 4.6 Mesa 20.0.8, Compiler: GCC 7.5.0 + CUDA 10.1, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic --without-cuda-driver -v
Disk Notes: MQ-DEADLINE / errors=remount-ro,relatime,rw
Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0xd6
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT disabled + mds: Mitigation of Clear buffers; SMT disabled + meltdown: Mitigation of PTI + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbds: Mitigation of Microcode + tsx_async_abort: Not affected

## USB2.0 Port2

## USB2.0 Port3

## USB2.0 Port4

Processor: Intel Core i3-9100E @ 3.10GHz (4 Cores), Motherboard: GIGABYTE MH310AP-SI (F1 BIOS), Chipset: Intel Cannon Lake PCH, Memory: 1 x 8192 MB DDR4-2400MT/s GSLG42F-18----------, Disk: 128GB SATA Flash + 16GB USB Drive 3ME, Graphics: Gigabyte Intel UHD 630 8GB (1515/7000MHz), Audio: Realtek ALC887-VD, Monitor: Acer KG281K, Network: Intel I219-V + 3 x Intel I211

OS: Ubuntu 18.04, Kernel: 5.4.0-51-generic (x86_64), Desktop: GNOME Shell 3.28.4, Display Server: X Server 1.20.8, Display Driver: NVIDIA 450.66, OpenGL: 4.6 Mesa 20.0.8, Compiler: GCC 7.5.0 + CUDA 10.1, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic --without-cuda-driver -v
Disk Notes: MQ-DEADLINE / errors=remount-ro,relatime,rw
Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0xd6
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT disabled + mds: Mitigation of Clear buffers; SMT disabled + meltdown: Mitigation of PTI + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbds: Mitigation of Microcode + tsx_async_abort: Not affected

| | M.2_mSATA ATA_128GB | USB 3.0 | USB 3.0 run2 | USB 2.0 | USB 2.0 run2 | Graphics Test | Gigabyte NVIDIA GeForce RTX 208 | CPU stress | CPU stress 1 | DRAM Test | USB 3.0 Port 1 | USB 3.0 port 2 | USB 3.0 Port 3 | USB 3.0 Port 4 | USB 2.0 Port 1 | USB 2.0 port 1 | USB 2.0 Port 2 | USB 2.0 Port 3 | USB 2.0 Port 4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 4KB (MB/s)** | 226 | | 24.6 | 25.3 | 24.8 | | | | | | 24.8 | 24.0 | 24.9 | 24.8 | | 25.1 | 24.7 | 25.3 | 226 |
| **Normalized** | 100% | | 10.88% | 11.19% | 10.97% | | | | | | 10.97% | 10.62% | 11.02% | 10.97% | | 11.11% | 10.93% | 11.19% | 100% |
| **Standard Deviation** | | | 2.1% | 1.7% | 0.2% | | | | | | 0.2% | 9% | 0.2% | 0.5% | | 2.9% | 0.2% | 1.7% | |

# EGX_Edge_RTX2080

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 8MB (IOPS)** | **28** | **3** | **3** | **3** | | | **3** | **3** | **3** | **3** | | **3** | **3** | **3** | **28** | |
| **Normalized** | 100% | 10.71% | 10.71% | 10.71% | | | 10.71% | 10.71% | 10.71% | 10.71% | | 10.71% | 10.71% | 10.71% | 100% | |
| **Standard Deviation** | | | | | | | | | | 9.9% | | | | | | |
| **Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 4KB (IOPS)** | **578 33** | 637 0 | 647 4 | 634 6 | | | 635 7 | **620 4** | 636 3 | 634 2 | | 648 4 | 633 4 | 647 6 | 577 33 | |
| **Normalized** | 100% | 11.01% | 11.19% | 10.97% | | | 10.99% | 10.73% | 11% | 10.97% | | 11.21% | 10.95% | 11.2% | 99.83% | |
| **Standard Deviation** | 0.2% | 0.7% | 1.6% | 0.2% | | | 0.1% | 9% | 0.4% | 0.5% | | 1% | 0.2% | 1.7% | 0.1% | |
| **GLmark2 - 3840 x 2160 (Score)** | | | | | **54** | **317 4** | | | | | | | | | | |
| **Normalized** | | | | | 1.7% | 100% | | | | | | | | | | |
| **GLmark2 - 800 x 600 (Score)** | | | | | **169 4** | **923 6** | | | | | | | | | | |
| **Normalized** | | | | | 18.34% | 100% | | | | | | | | | | |
| **Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 8MB (MB/s)** | **251** | 49.8 | 50.5 | 50.0 | | | **49.3** | 49.9 | 50.0 | **49.3** | | 50.5 | 50.8 | 50.7 | 250 | |
| **Normalized** | 100% | 19.84% | 20.12% | 19.92% | | | 19.64% | 19.88% | 19.92% | 19.64% | | 20.12% | 20.24% | 20.2% | 99.6% | |
| **Standard Deviation** | | 0.8% | 0.6% | 0.8% | | | 2.3% | 0.1% | 0.2% | 3.4% | | 0.7% | 0.3% | 0.4% | | |
| **GLmark2 - 2560 x 1440 (Score)** | | | | | **125** | **524 8** | | | | | | | | | | |
| **Normalized** | | | | | 2.38% | 100% | | | | | | | | | | |

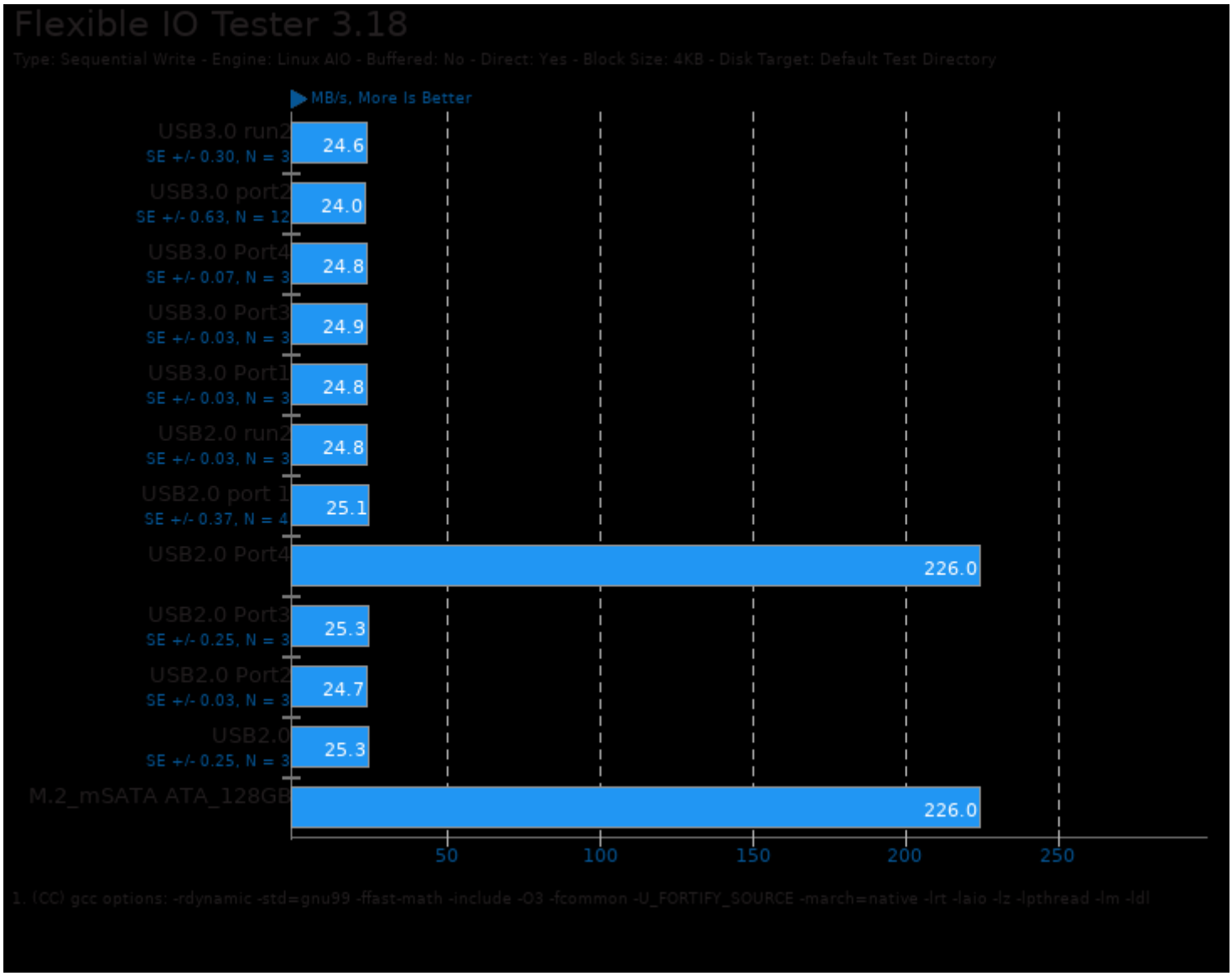
| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **GLmark2 - 1920 x 1200 (Score)** | | | | | 189 | 6425 | | | | | | | | | | |
| **Normalized** | | | | | 2.94% | 100% | | | | | | | | | | |
| **GLmark2 - 1920 x 1080 (Score)** | | | | | 213 | 6741 | | | | | | | | | | |
| **Normalized** | | | | | 3.16% | 100% | | | | | | | | | | |
| **GLmark2 - 1600 x 1200 (Score)** | | | | | 223 | 6778 | | | | | | | | | | |
| **Normalized** | | | | | 3.29% | 100% | | | | | | | | | | |
| **GLmark2 - 1280 x 1024 (Score)** | | | | | 337 | 7613 | | | | | | | | | | |
| **Normalized** | | | | | 4.43% | 100% | | | | | | | | | | |
| **Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 8MB (IOPS)** | 61 | 12 | 3 | 3 | | | 12 | 12 | 12 | 12 | 3 | 3 | 3 | 63 | | |
| **Normalized** | 96.83% | 19.05% | 4.76% | 4.76% | | | 19.05% | 19.05% | 19.05% | 19.05% | 4.76% | 4.76% | 4.76% | 100% | | |
| **GLmark2 - 1024 x 768 (Score)** | | | | | 678 | 8494 | | | | | | | | | | |
| **Normalized** | | | | | 7.98% | 100% | | | | | | | | | | |

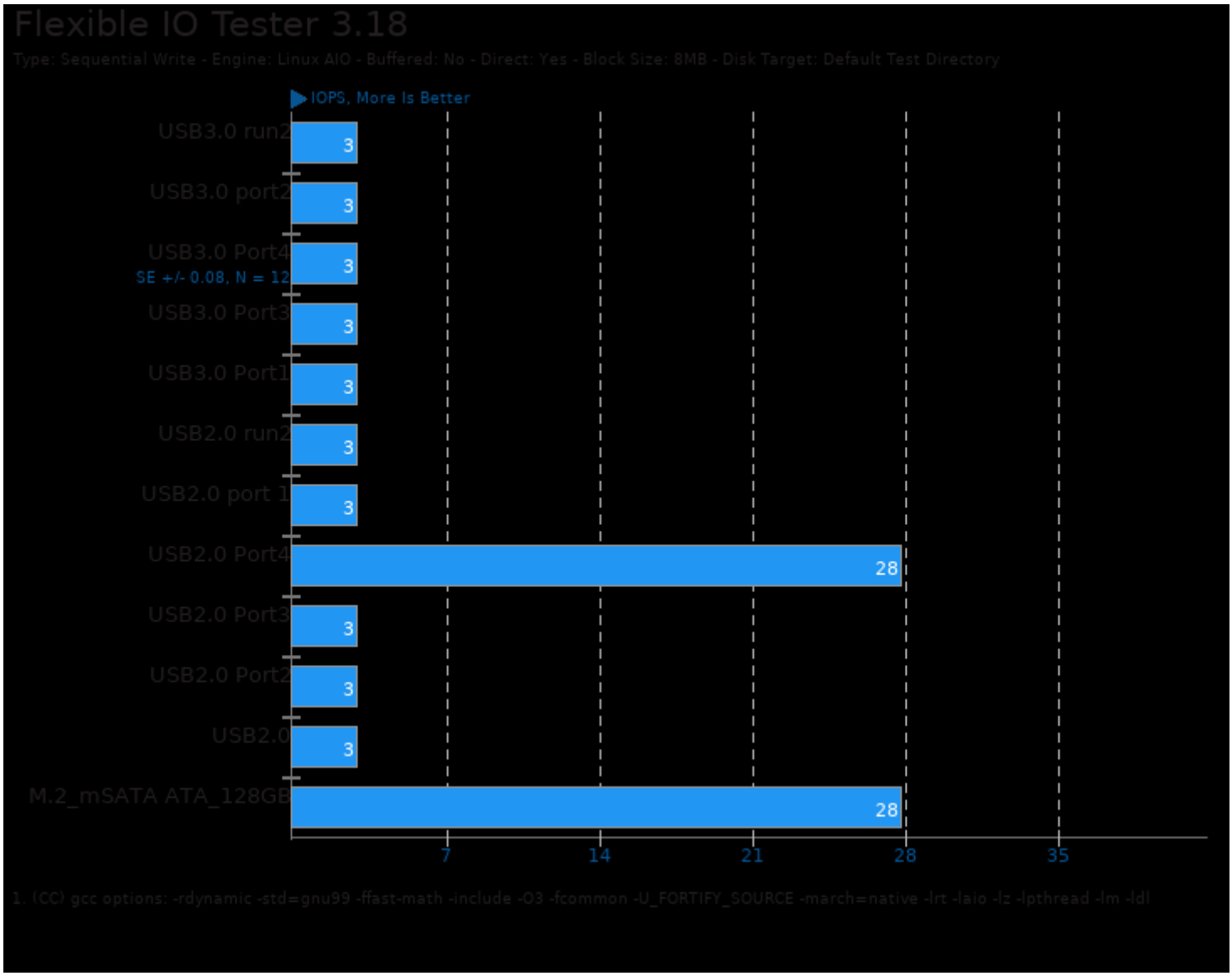
# EGX_Edge_RTX2080

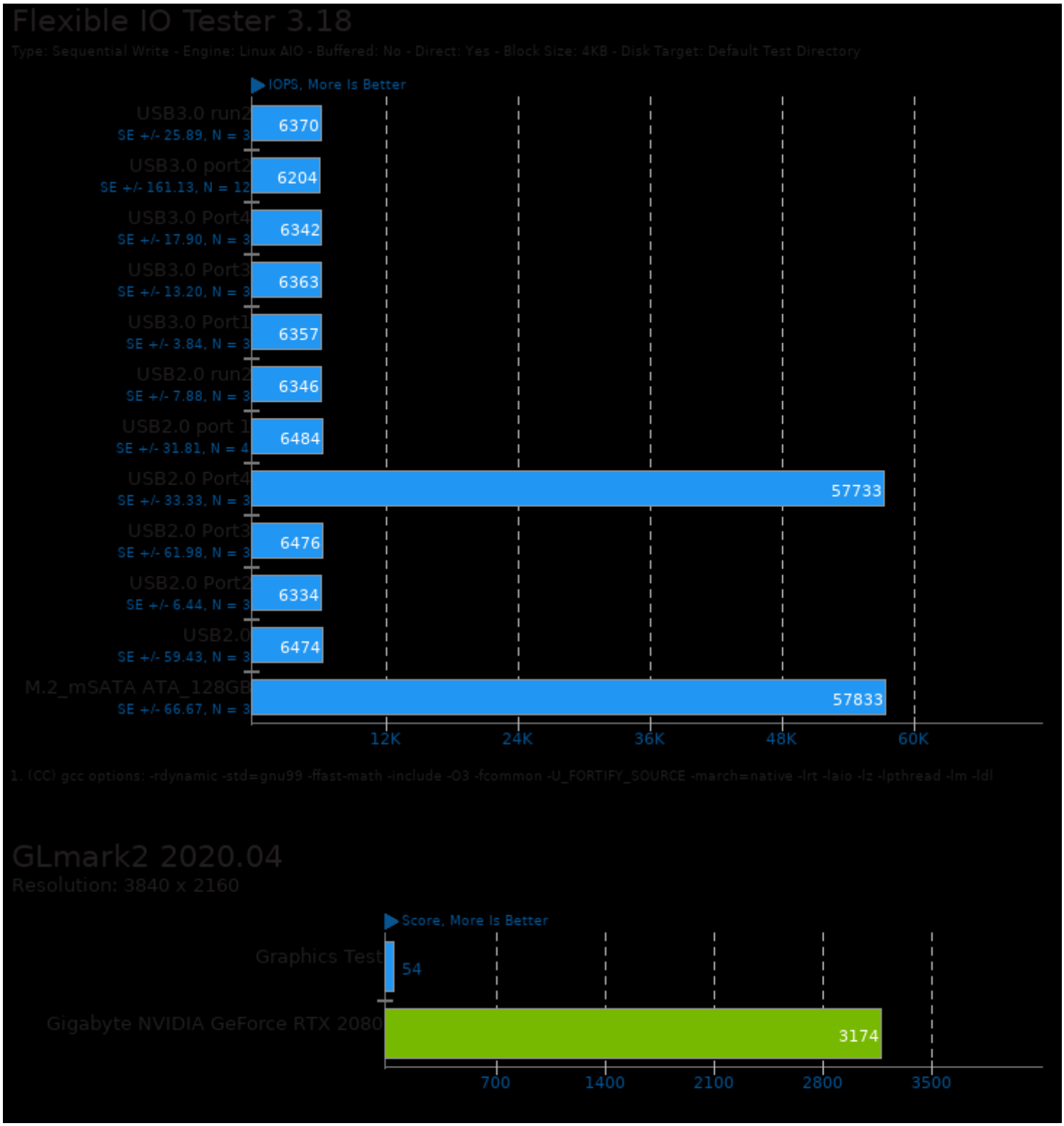
| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 4KB (IOPS)** | 802<br>00 | 221<br>67 | **677<br>0** | 717<br>2 | | 231<br>00 | 224<br>00 | 226<br>00 | 226<br>00 | 721<br>1 | 721<br>7 | 721<br>8 | **811<br>67** |
| **Normalized** | 98.81<br>% | 27.31<br>% | 8.34<br>% | 8.84<br>% | | 28.46<br>% | 27.6<br>% | 27.84<br>% | 27.84<br>% | 8.88<br>% | 8.89<br>% | 8.89<br>% | 100% |
| **Standard Deviation** | | 0.7% | 1.6% | | | | 3.1% | 2.3% | 2.3% | 0.1% | 0.2% | 0.2% | 0.1% |
| **Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 4KB (MB/s)** | 313 | 86.4 | **26.5** | 28 | | 90.2 | 90.1 | 89.5 | 89.5 | 28.2 | 28.2 | 28.2 | **317** |
| **Normalized** | 98.74<br>% | 27.26<br>% | 8.36<br>% | 8.83<br>% | | 28.45<br>% | 28.42<br>% | 28.23<br>% | 28.23<br>% | 8.9% | 8.9% | 8.9% | 100% |
| **Standard Deviation** | | 1.4% | 1.7% | | | 0.5% | 0.6% | 0.2% | 0.2% | 0% | 0.4% | 0% | |
| **Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 8MB (MB/s)** | 514 | 128 | **53.3** | 53.4 | | 128 | 128 | 128 | 128 | 53.5 | 53.4 | 53.7 | **536** |
| **Normalized** | 95.9<br>% | 23.88<br>% | 9.94<br>% | 9.96<br>% | | 23.88<br>% | 23.88<br>% | 23.88<br>% | 23.88<br>% | 9.98<br>% | 9.96<br>% | 10.02<br>% | 100% |
| **Standard Deviation** | | | 0.5% | 0.2% | | | | | | 0.1% | 0.3% | 0.1% | |
| **Stream - Add** | | | | | 115<br>30 | | | | | | | | |
| **Standard Deviation** | | | | | 0% | | | | | | | | |
| **Stream - Triad (MB/s)** | | | | | 115<br>39 | | | | | | | | |
| **Standard Deviation** | | | | | 0% | | | | | | | | |
| **Stream - Scale (MB/s)** | | | | | 100<br>27 | | | | | | | | |
| **Standard Deviation** | | | | | 0% | | | | | | | | |

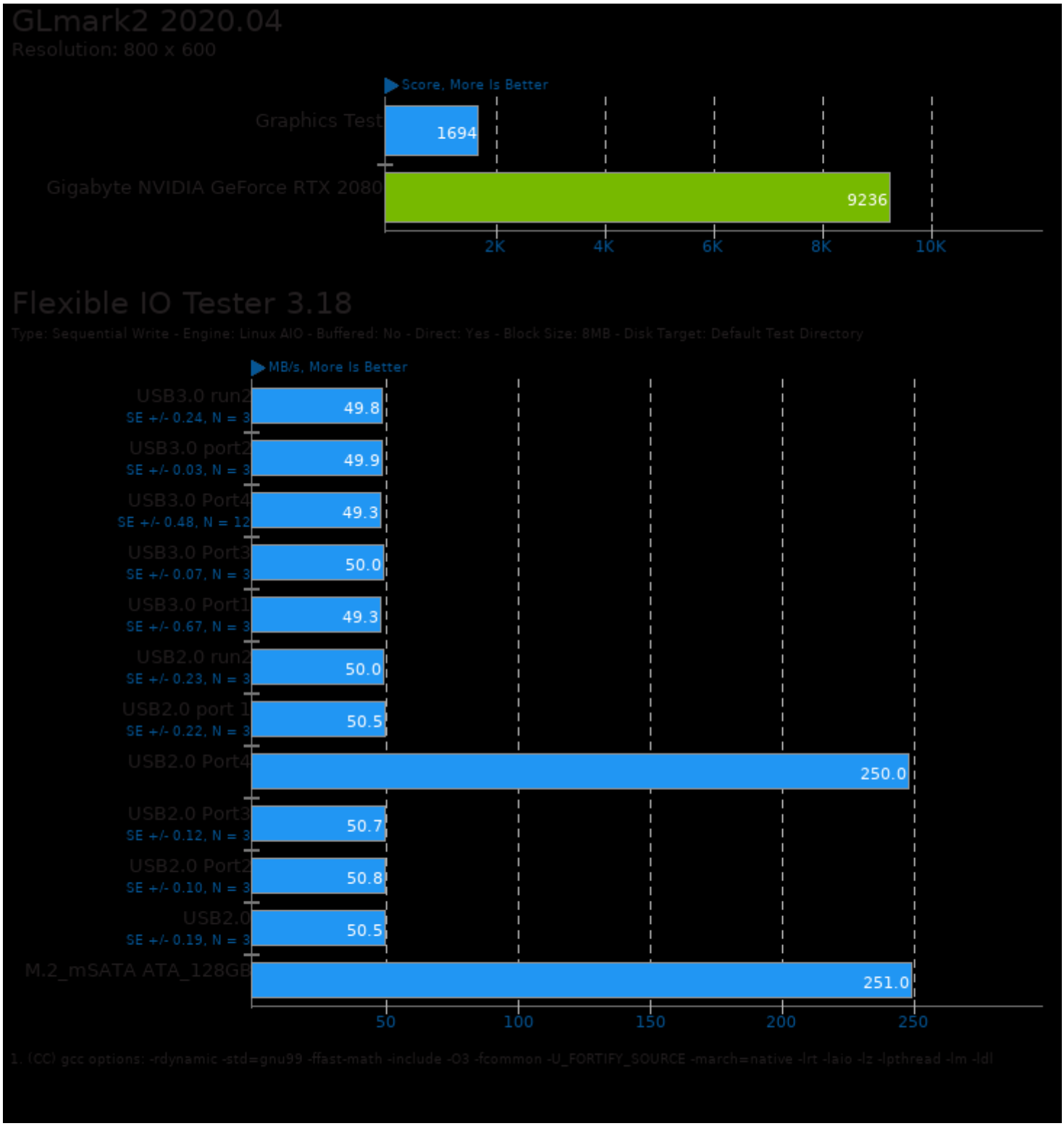
| | |
|---|---|
| Stream - Copy (MB/s) | 135 |
| Standard Deviation | 95 |
| | 0% |
| Stress-NG - G.Q.D.S (Bogo Ops/s) | 41.4 |
| Standard Deviation | 7 |
| | 0.5% |
| Stress-NG - G.C.S.F (Bogo Ops/s) | 331 |
| Standard Deviation | 121 |
| | 1% |
| Stress-NG - Memory Copying (Bogo Ops/s) | 751. |
| Standard Deviation | 45 |
| | 0.2% |
| Stress-NG - Vector Math (Bogo Ops/s) | 145 |
| Standard Deviation | 52 |
| | 0.1% |
| Stress-NG - Matrix Math (Bogo Ops/s) | 114 |
| Standard Deviation | 69 |
| | 1.2% |
| Stress-NG - CPU Stress (Bogo Ops/s) | 127 |
| Standard Deviation | 2 |
| | 0.2% |

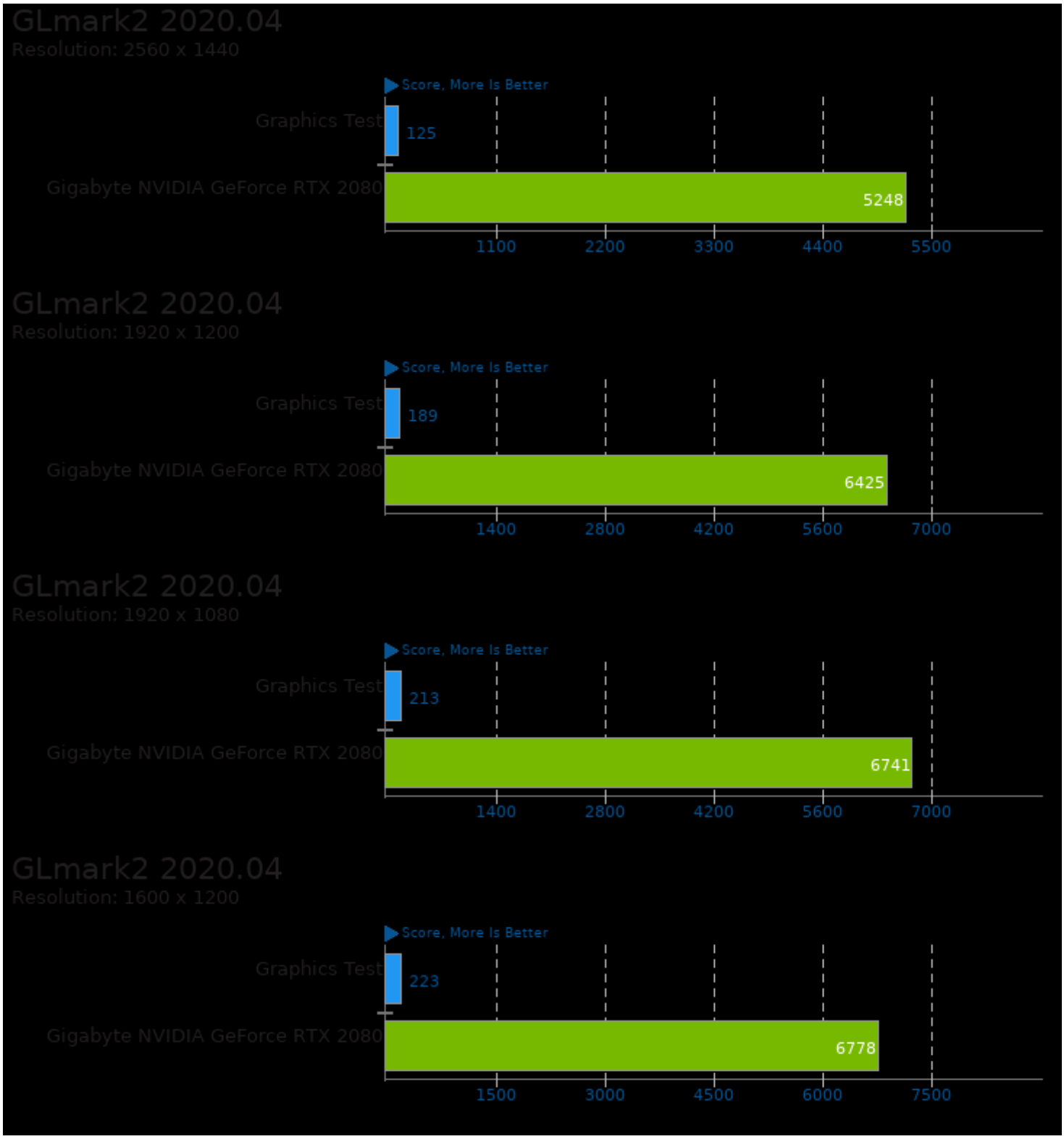
| | |
|---|---|
| **Stress-NG - Forking (Bogo Ops/s)** | 214 |
| **Standard Deviation** | 0.8% |
| **Stress-NG - Crypto (Bogo Ops/s)** | 663.16 |
| **Standard Deviation** | 2.2% |

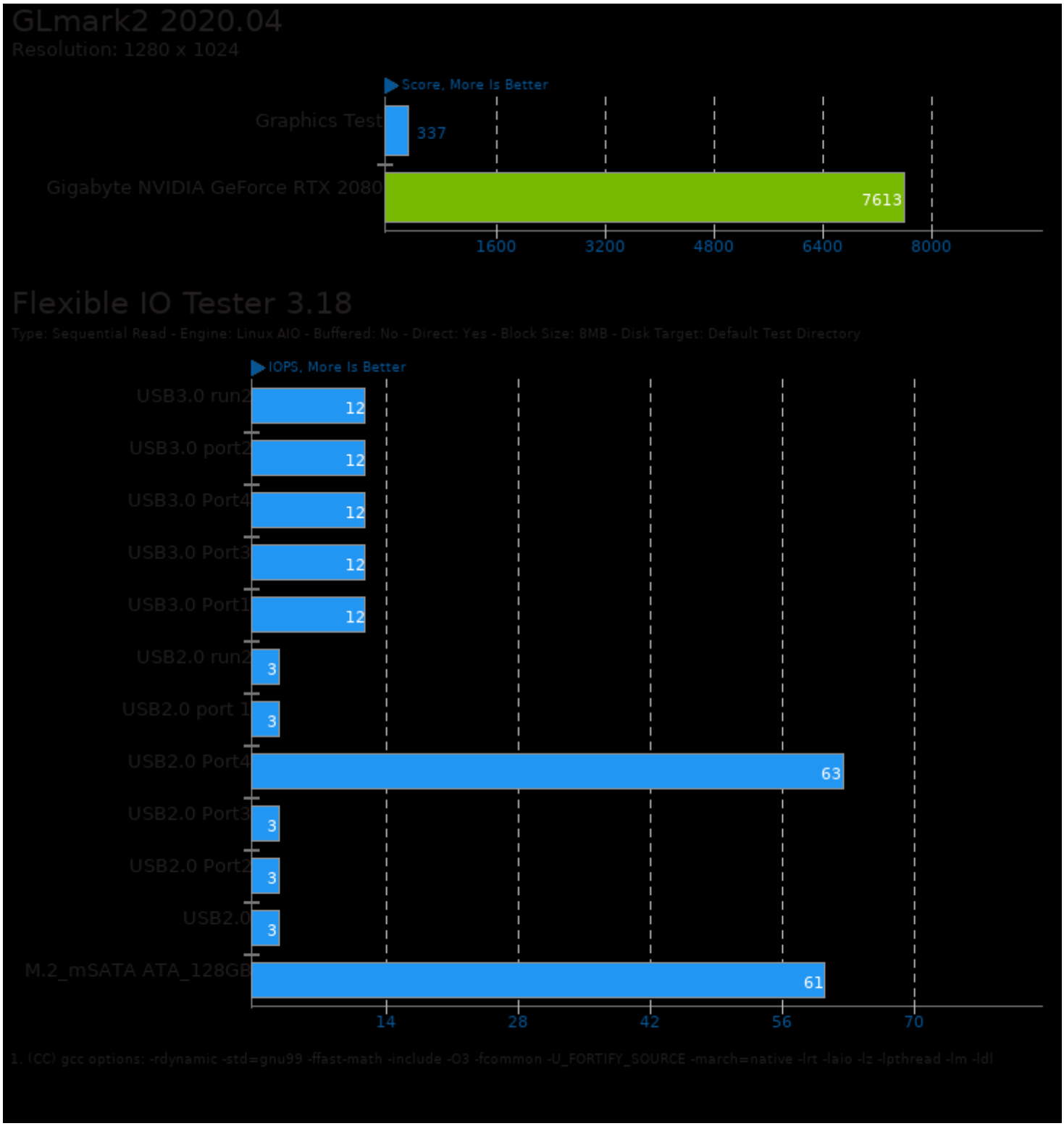

Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
USB3.0 run2
SE +/- 0.30, N = 3
24.6
USB3.0 port2
SE +/- 0.63, N = 12
24.0
USB3.0 Port4
SE +/- 0.07, N = 3
24.8
USB3.0 Port3
SE +/- 0.03, N = 3
24.9
USB3.0 Port1
SE +/- 0.03, N = 3
24.8
USB2.0 run2
SE +/- 0.03, N = 3
24.8
USB2.0 port 1
SE +/- 0.37, N = 4
25.1
USB2.0 Port4
226.0
USB2.0 Port3
SE +/- 0.25, N = 3
25.3
USB2.0 Port2
SE +/- 0.03, N = 3
24.7
USB2.0
SE +/- 0.25, N = 3
25.3
M.2_mSATA ATA_128GB
226.0
50
100
150
200
250
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl

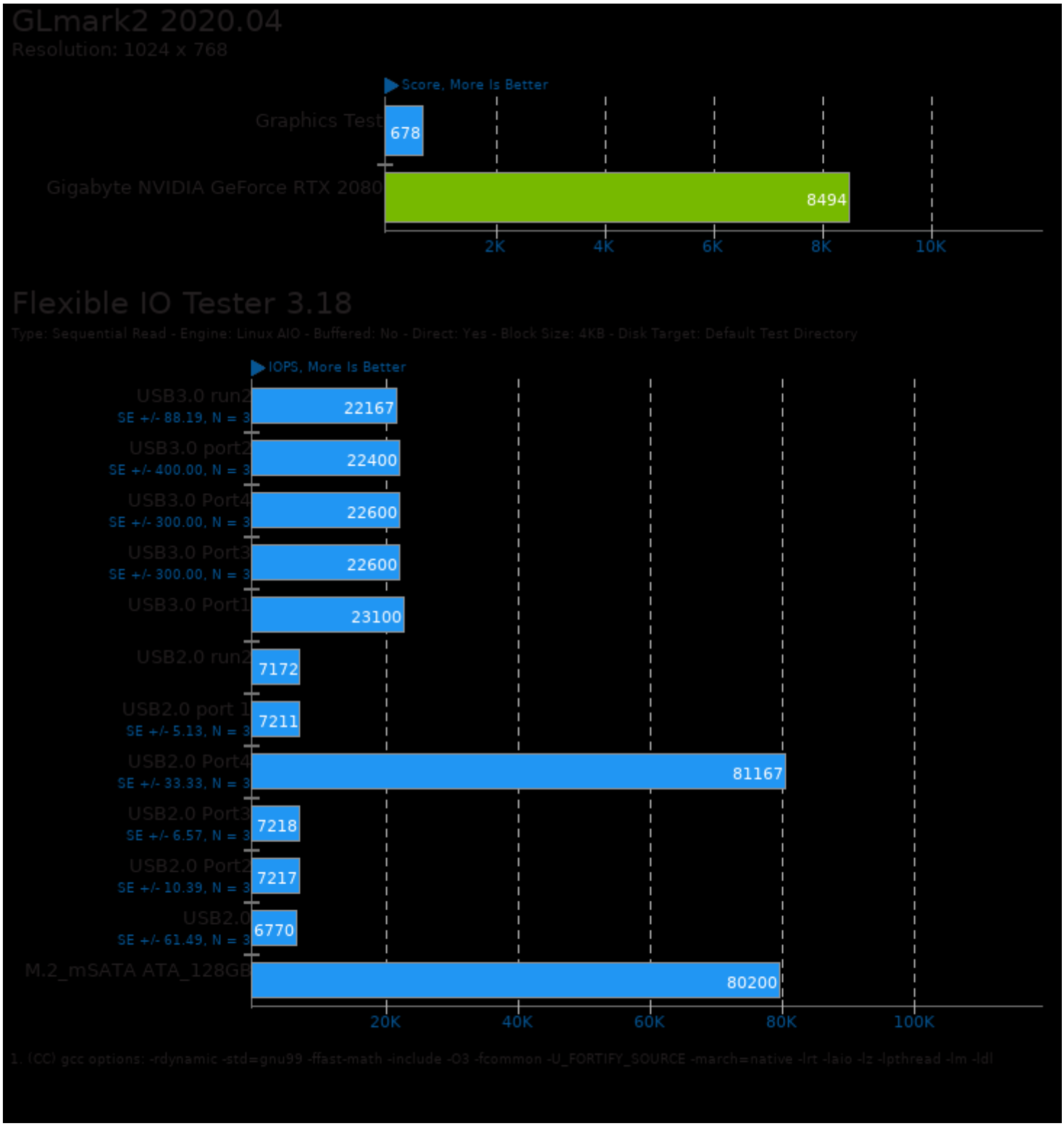

Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 8MB - Disk Target: Default Test Directory
IOPS, More Is Better
USB3.0 run2
USB3.0 port2
USB3.0 Port4
SE +/- 0.08, N = 12
USB3.0 Port3
USB3.0 Port1
USB2.0 run2
USB2.0 port 1
USB2.0 Port4
USB2.0 Port3
USB2.0 Port2
USB2.0
M.2_mSATA ATA_128GB
3
3
3
3
3
3
3
28
3
3
3
28
7
14
21
28
35
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl

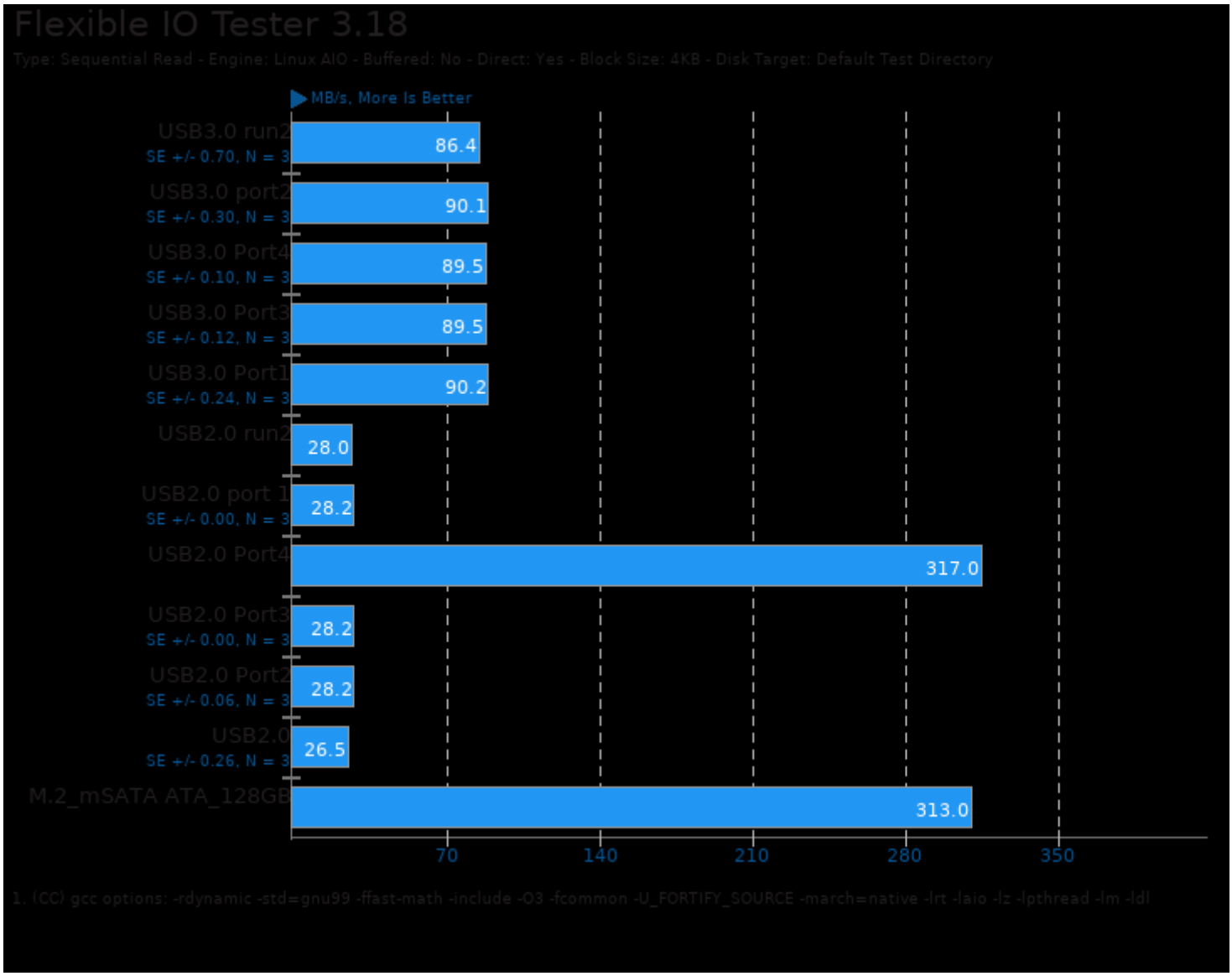

Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
USB3.0 run2
SE +/- 25.89, N = 3
6370
USB3.0 port2
SE +/- 161.13, N = 12
6204
USB3.0 Port4
SE +/- 17.90, N = 3
6342
USB3.0 Port3
SE +/- 13.20, N = 3
6363
USB3.0 Port1
SE +/- 3.84, N = 3
6357
USB2.0 run2
SE +/- 7.88, N = 3
6346
USB2.0 port 1
SE +/- 31.81, N = 4
6484
USB2.0 Port4
SE +/- 33.33, N = 3
57733
USB2.0 Port3
SE +/- 61.98, N = 3
6476
USB2.0 Port2
SE +/- 6.44, N = 3
6334
USB2.0
SE +/- 59.43, N = 3
6474
M.2_mSATA ATA_128GB
SE +/- 66.67, N = 3
57833
12K
24K
36K
48K
60K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
GLmark2 2020.04
Resolution: 3840 x 2160
Score, More Is Better
Graphics Test
54
Gigabyte NVIDIA GeForce RTX 2080
3174
700
1400
2100
2800
3500

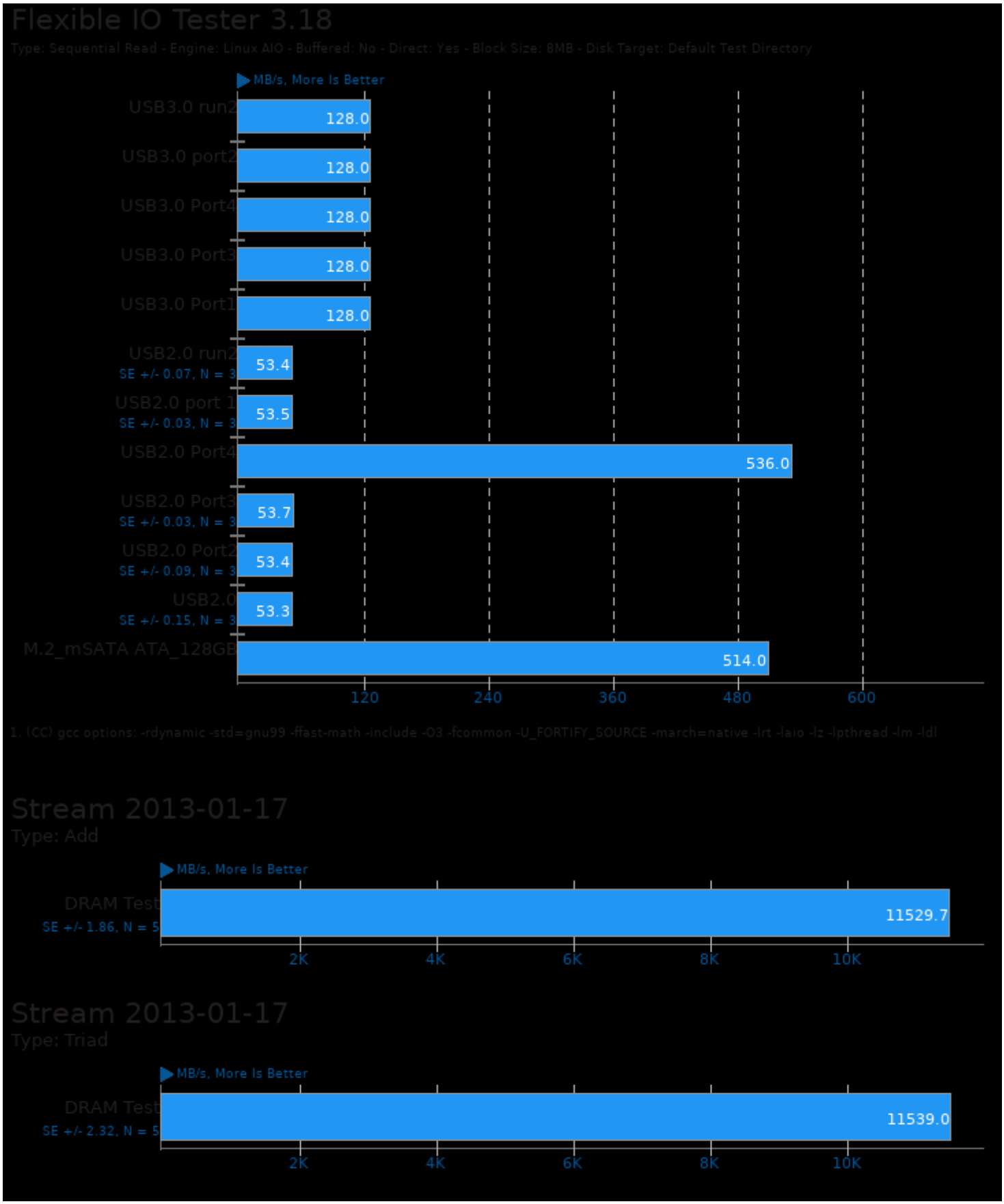

GLmark2 2020.04
Resolution: 800 x 600
Score, More Is Better
Graphics Test
1694
Gigabyte NVIDIA GeForce RTX 2080
9236
2K
4K
6K
8K
10K
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 8MB - Disk Target: Default Test Directory
MB/s, More Is Better
USB3.0 run2
SE +/- 0.24, N = 3
49.8
USB3.0 port2
SE +/- 0.03, N = 3
49.9
USB3.0 Port4
SE +/- 0.48, N = 12
49.3
USB3.0 Port3
SE +/- 0.07, N = 3
50.0
USB3.0 Port1
SE +/- 0.67, N = 3
49.3
USB2.0 run2
SE +/- 0.23, N = 3
50.0
USB2.0 port 1
SE +/- 0.22, N = 3
50.5
USB2.0 Port4
250.0
USB2.0 Port3
SE +/- 0.12, N = 3
50.7
USB2.0 Port2
SE +/- 0.10, N = 3
50.8
USB2.0
SE +/- 0.19, N = 3
50.5
M.2_mSATA ATA_128GB
251.0
50
100
150
200
250
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl

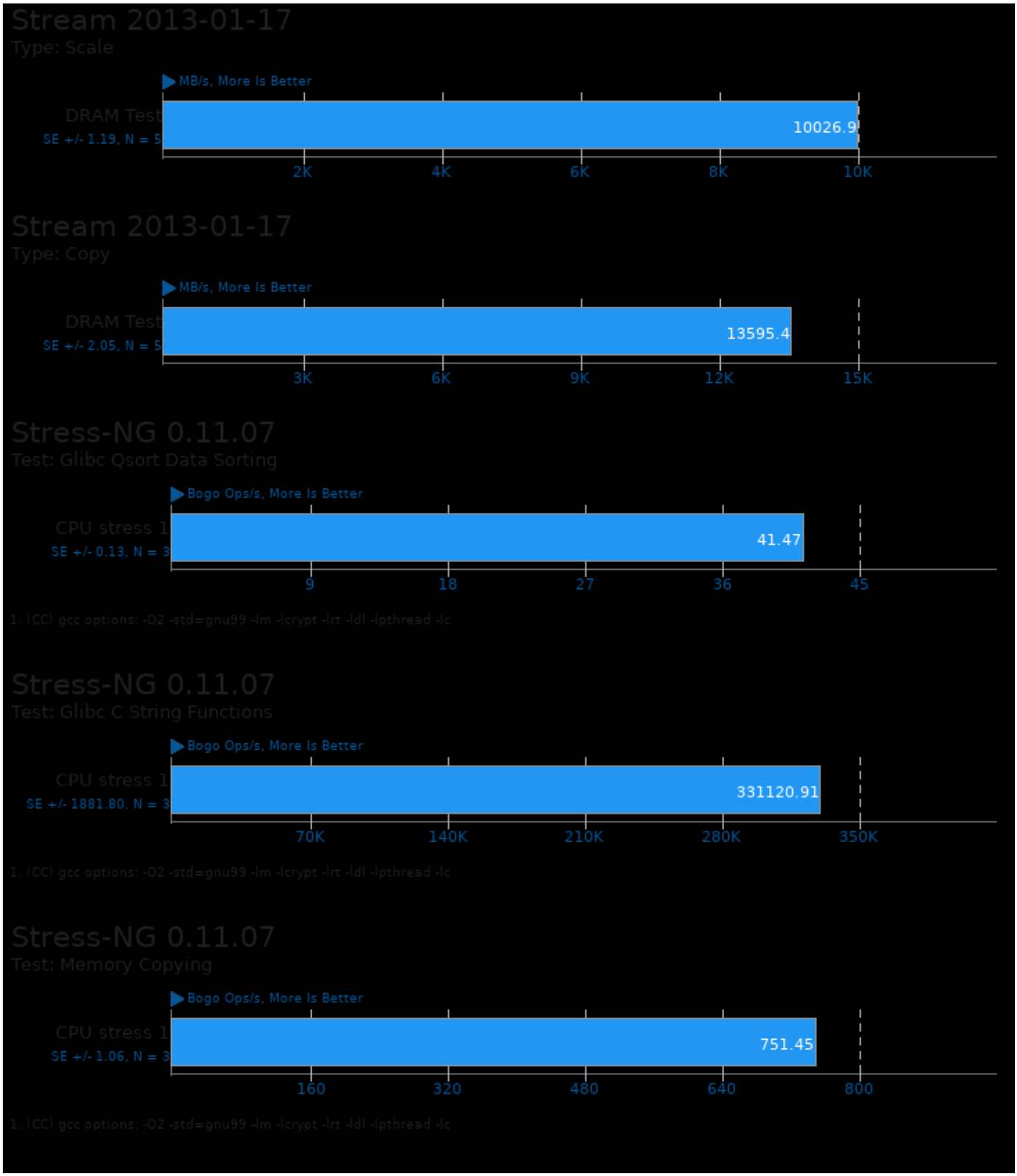

GLmark2 2020.04
Resolution: 2560 x 1440
Score, More Is Better
Graphics Test
125
Gigabyte NVIDIA GeForce RTX 2080
5248
1100
2200
3300
4400
5500
GLmark2 2020.04
Resolution: 1920 x 1200
Score, More Is Better
Graphics Test
189
Gigabyte NVIDIA GeForce RTX 2080
6425
1400
2800
4200
5600
7000
GLmark2 2020.04
Resolution: 1920 x 1080
Score, More Is Better
Graphics Test
213
Gigabyte NVIDIA GeForce RTX 2080
6741
1400
2800
4200
5600
7000
GLmark2 2020.04
Resolution: 1600 x 1200
Score, More Is Better
Graphics Test
223
Gigabyte NVIDIA GeForce RTX 2080
6778
1500
3000
4500
6000
7500

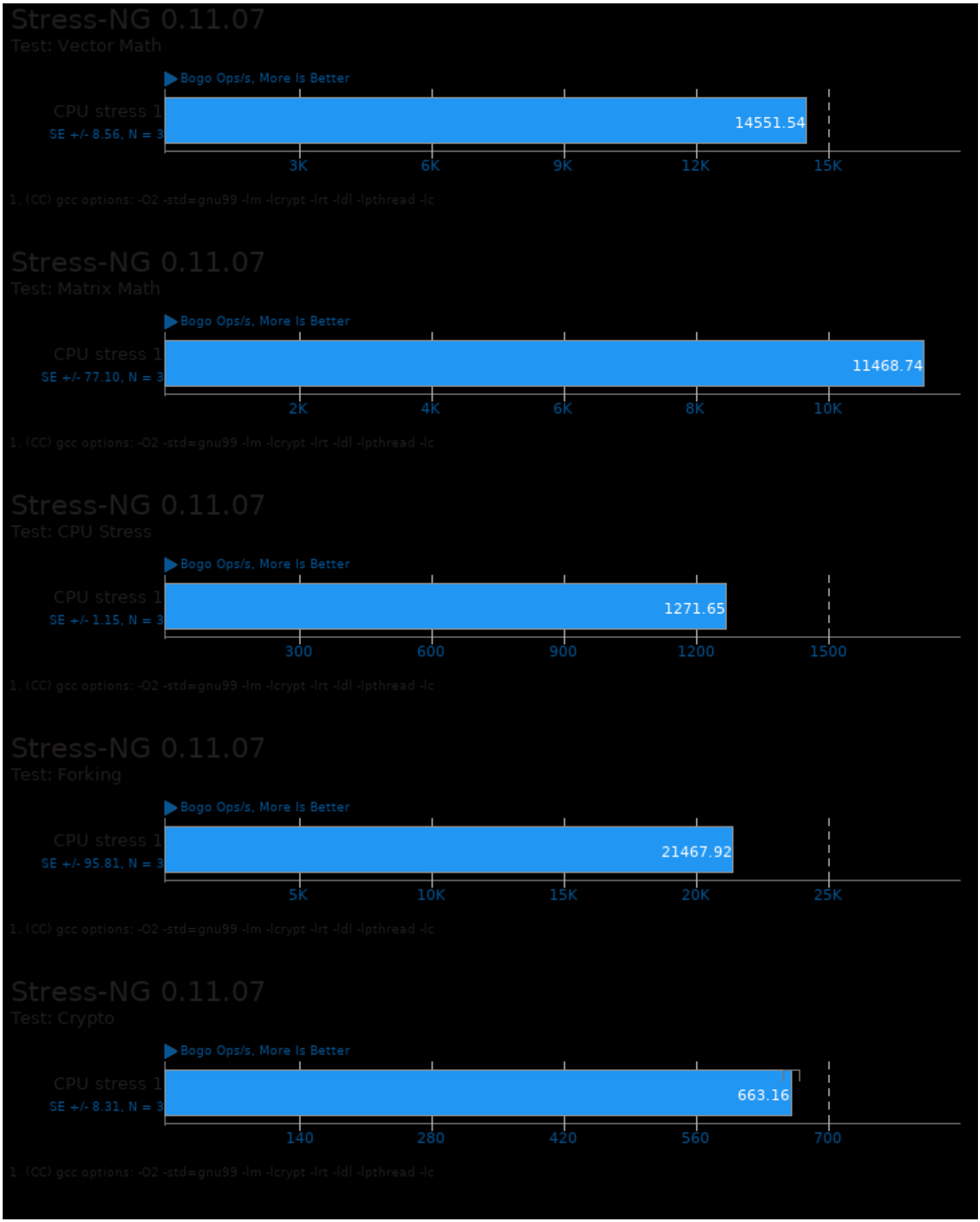

GLmark2 2020.04
Resolution: 1280 x 1024
Score, More Is Better
Graphics Test
337
Gigabyte NVIDIA GeForce RTX 2080
7613
1600
3200
4800
6400
8000
Flexible IO Tester 3.18
Type: Sequential Read - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 8MB - Disk Target: Default Test Directory
IOPS, More Is Better
USB3.0 run2
12
USB3.0 port2
12
USB3.0 Port4
12
USB3.0 Port3
12
USB3.0 Port1
12
USB2.0 run2
3
USB2.0 port 1
3
USB2.0 Port4
63
USB2.0 Port3
3
USB2.0 Port2
3
USB2.0
3
M.2_mSATA ATA_128GB
61
14
28
42
56
70
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl


GLmark2 2020.04
Resolution: 1024 x 768
Score, More Is Better
Graphics Test
678
Gigabyte NVIDIA GeForce RTX 2080
8494
2K
4K
6K
8K
10K
Flexible IO Tester 3.18
Type: Sequential Read - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
USB3.0 run2
SE +/- 88.19, N = 3
22167
USB3.0 port2
SE +/- 400.00, N = 3
22400
USB3.0 Port4
SE +/- 300.00, N = 3
22600
USB3.0 Port3
SE +/- 300.00, N = 3
22600
USB3.0 Port1
23100
USB2.0 run2
7172
USB2.0 port 1
SE +/- 5.13, N = 3
7211
USB2.0 Port4
SE +/- 33.33, N = 3
81167
USB2.0 Port3
SE +/- 6.57, N = 3
7218
USB2.0 Port2
SE +/- 10.39, N = 3
7217
USB2.0
SE +/- 61.49, N = 3
6770
M.2_mSATA ATA_128GB
80200
20K
40K
60K
80K
100K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl


Flexible IO Tester 3.18
Type: Sequential Read - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
USB3.0 run2
SE +/- 0.70, N = 3
86.4
USB3.0 port2
SE +/- 0.30, N = 3
90.1
USB3.0 Port4
SE +/- 0.10, N = 3
89.5
USB3.0 Port3
SE +/- 0.12, N = 3
89.5
USB3.0 Port1
SE +/- 0.24, N = 3
90.2
USB2.0 run2
28.0
USB2.0 port 1
SE +/- 0.00, N = 3
28.2
USB2.0 Port4
317.0
USB2.0 Port3
SE +/- 0.00, N = 3
28.2
USB2.0 Port2
SE +/- 0.06, N = 3
28.2
USB2.0
SE +/- 0.26, N = 3
26.5
M.2_mSATA ATA_128GB
313.0
70
140
210
280
350
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl


Flexible IO Tester 3.18
Type: Sequential Read - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 8MB - Disk Target: Default Test Directory
MB/s, More Is Better
USB3.0 run2
128.0
USB3.0 port2
128.0
USB3.0 Port4
128.0
USB3.0 Port3
128.0
USB3.0 Port1
128.0
USB2.0 run2
53.4
SE +/- 0.07, N = 3
USB2.0 port 1
53.5
SE +/- 0.03, N = 3
USB2.0 Port4
536.0
USB2.0 Port3
53.7
SE +/- 0.03, N = 3
USB2.0 Port2
53.4
SE +/- 0.09, N = 3
USB2.0
53.3
SE +/- 0.15, N = 3
M.2_mSATA ATA_128GB
514.0
120
240
360
480
600
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lrt -laio -lz -lpthread -lm -ldl
Stream 2013-01-17
Type: Add
MB/s, More Is Better
DRAM Test
11529.7
SE +/- 1.86, N = 5
2K
4K
6K
8K
10K
Stream 2013-01-17
Type: Triad
MB/s, More Is Better
DRAM Test
11539.0
SE +/- 2.32, N = 5
2K
4K
6K
8K
10K


Stream 2013-01-17
Type: Scale
MB/s, More Is Better
DRAM Test
SE +/- 1.19, N = 5
10026.9
2K
4K
6K
8K
10K
Stream 2013-01-17
Type: Copy
MB/s, More Is Better
DRAM Test
SE +/- 2.05, N = 5
13595.4
3K
6K
9K
12K
15K
Stress-NG 0.11.07
Test: Glibc Qsort Data Sorting
Bogo Ops/s, More Is Better
CPU stress 1
SE +/- 0.13, N = 3
41.47
9
18
27
36
45
1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -ldl -lpthread -lc
Stress-NG 0.11.07
Test: Glibc C String Functions
Bogo Ops/s, More Is Better
CPU stress 1
SE +/- 1881.80, N = 3
331120.91
70K
140K
210K
280K
350K
1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -ldl -lpthread -lc
Stress-NG 0.11.07
Test: Memory Copying
Bogo Ops/s, More Is Better
CPU stress 1
SE +/- 1.06, N = 3
751.45
160
320
480
640
800
1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -ldl -lpthread -lc




*This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024*

*07:03.*