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PX-B01_ADM2B-720-NN05

ARMv8 rev 0 testing with a Jetson-AGX and NVIDIA Tegra Xavier on Ubuntu 18.04 via the Phoronix Test Suite.

Test Systems:

usb3.0

usb3.0_w

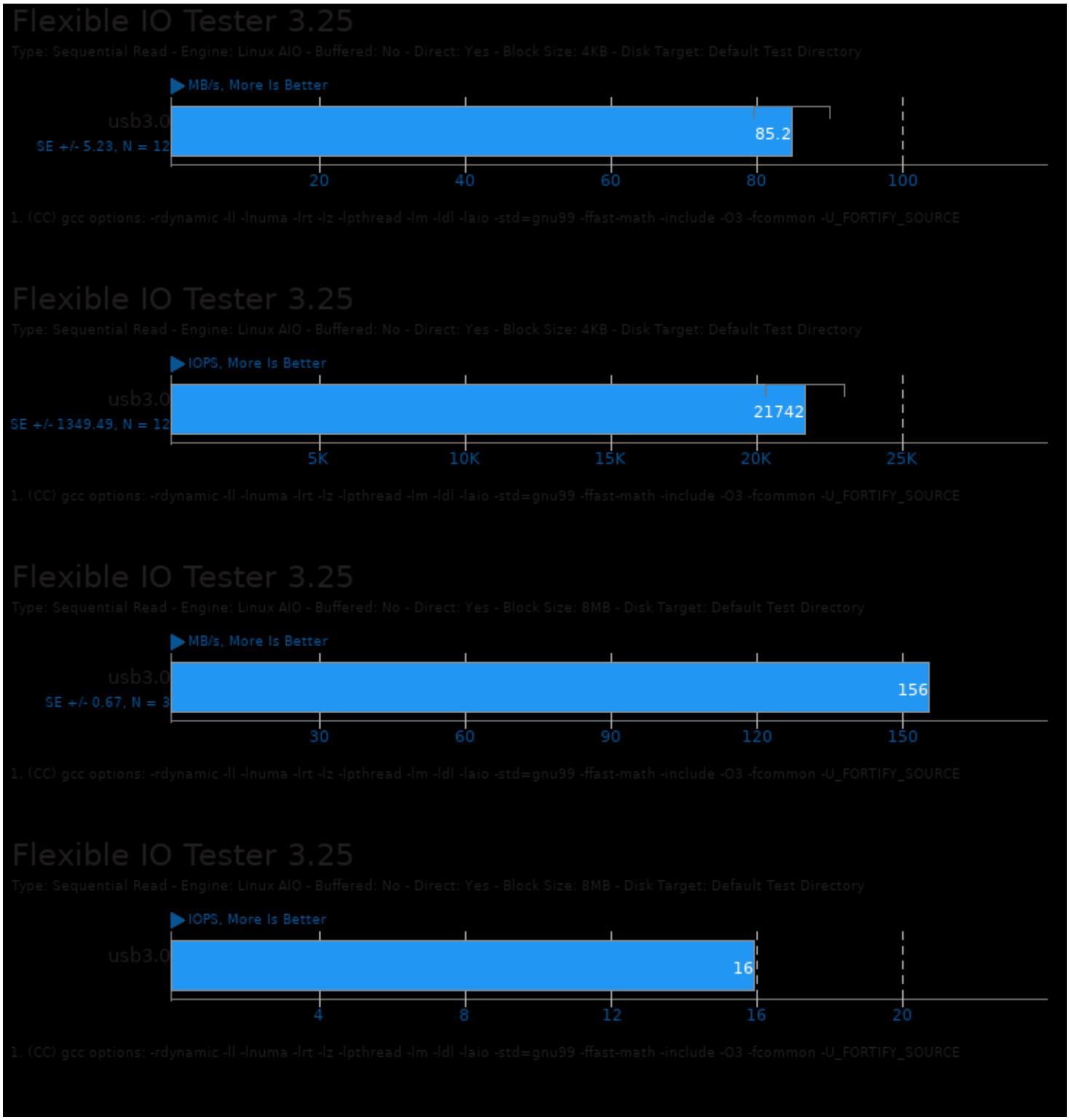
Processor: ARMv8 rev 0 @ 2.27GHz (8 Cores), Motherboard: Jetson-AGX, Memory: 16GB, Disk: 16GB USB Flash Drive + 31GB HBG4a2, Graphics: NVIDIA Tegra Xavier, Monitor: ASUS VN248, Network: 2 x Intel I210

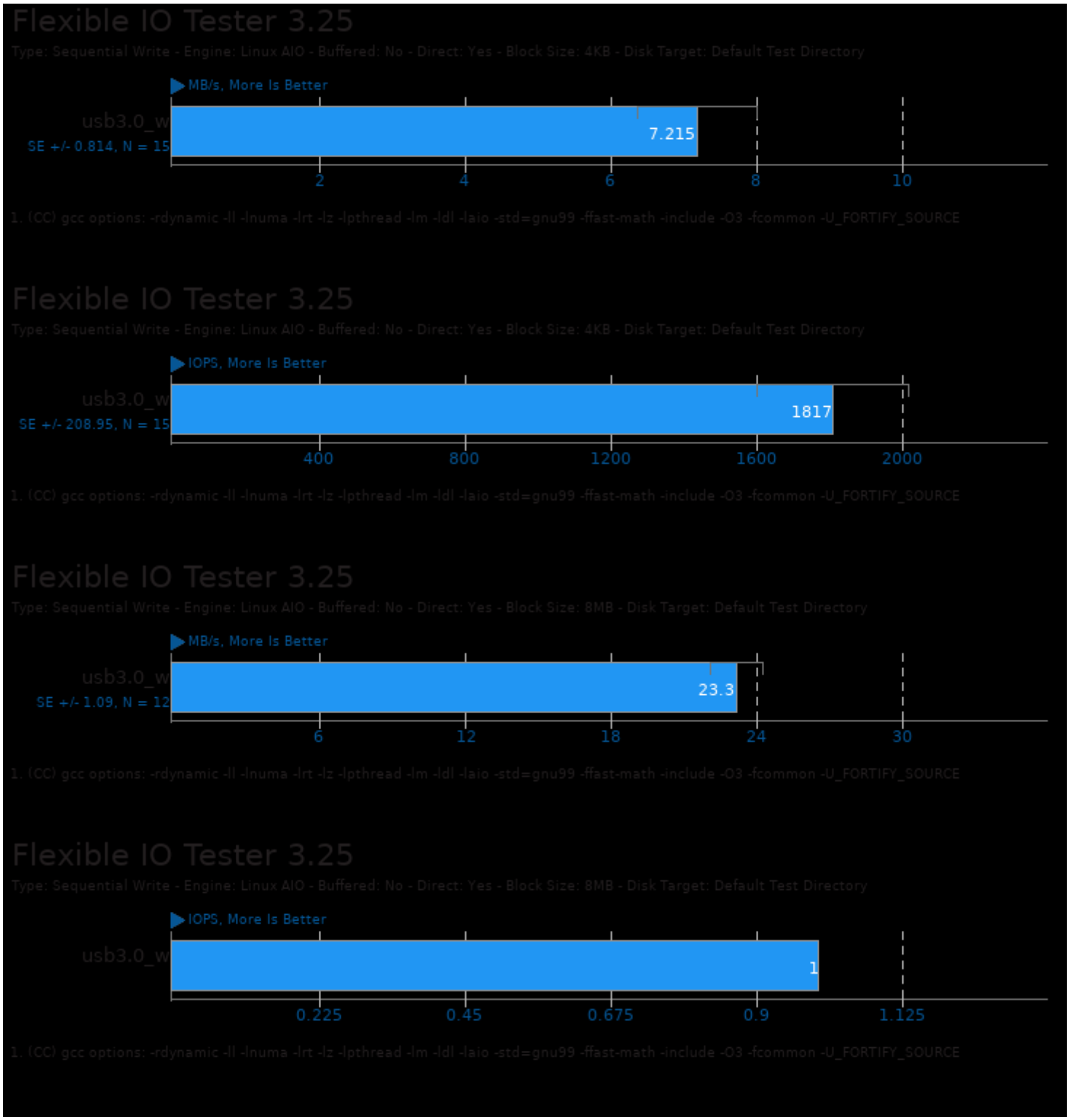
OS: Ubuntu 18.04, Kernel: 4.9.140-tegra (aarch64), Desktop: Unity 7.5.0, Display Server: X Server 1.19.6, Display Driver: NVIDIA 32.4.4, OpenGL: 4.6.0, Vulkan: 1.2.131, Compiler: GCC 7.5.0 + CUDA 10.2, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: Transparent Huge Pages: always
Compiler Notes: --build=aarch64-linux-gnu --disable-libquadmath --disable-libquadmath-support --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-fix-cortex-a53-843419 --enable-gnu-unique-object --enable-languages=c,ada,c++,go,d,fortran,objc,obj-c++

--enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-nls --enable-plugin --enable-shared --enable-threads=posix --host=aarch64-linux-gnu --program-prefix=aarch64-linux-gnu- --target=aarch64-linux-gnu --with-default-libstdcxx-abi=new --with-gcc-major-version-only -v
Disk Notes: CFQ / data=ordered,relatime,rw / Block Size: 4096
Processor Notes: Scaling Governor: tegra_cpufreq schedutil

	usb3.0	usb3.0_w
Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 4KB (MB/s)	85.2	
Standard Deviation	21.3%	
Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 4KB (IOPS)	21742	
Standard Deviation	21.5%	
Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 8MB (MB/s)	156	
Standard Deviation	0.7%	
Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 8MB (IOPS)	16	
Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 4KB (MB/s)		7.215
Standard Deviation		43.7%
Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 4KB (IOPS)		1817
Standard Deviation		44.5%
Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 8MB (MB/s)		23.3
Standard Deviation		16.2%
Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 8MB (IOPS)		1


Flexible IO Tester 3.25
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
SE +/- 5.23, N = 12
85.2
20
40
60
80
100
1. (CC) gcc options: -rdynamic -ll -lnuma -lrt -lz -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Read - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
usb3.0
SE +/- 1349.49, N = 12
21742
5K
10K
15K
20K
25K
1. (CC) gcc options: -rdynamic -ll -lnuma -lrt -lz -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
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
SE +/- 0.67, N = 3
156
30
60
90
120
150
1. (CC) gcc options: -rdynamic -ll -lnuma -lrt -lz -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Read - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 8MB - Disk Target: Default Test Directory
IOPS, More Is Better
usb3.0
16
4
8
12
16
20
1. (CC) gcc options: -rdynamic -ll -lnuma -lrt -lz -lpthread -lm -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 01:00.