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mint201gtx1660

AMD A8-6600K APU testing with a ASUS A88XM-A (1801 BIOS) and MSI NVIDIA GeForce GTX 1660 6GB on Linuxmint 20.1 via the Phoronix Test Suite.

Automated Executive Summary

Linux Mint 20.1 Cinnamon Nvidia GTX 1660 had the most wins, coming in first place for 62% of the tests.

Based on the geometric mean of all complete results, the fastest (Linux Mint 20.1 Cinnamon Nvidia GTX 1660) was 1x the speed of the slowest (AMD A8-6600K APU - MSI NVIDIA GeForce GTX 1660 6GB -).

Test Systems:

Linux Mint 20.1 Cinnamon Nvidia GTX 1660

AMD A8-6600K APU - MSI NVIDIA GeForce GTX 1660 6GB -

Processor: AMD A8-6600K APU @ 3.90GHz (2 Cores / 4 Threads), Motherboard: ASUS A88XM-A (1801 BIOS),

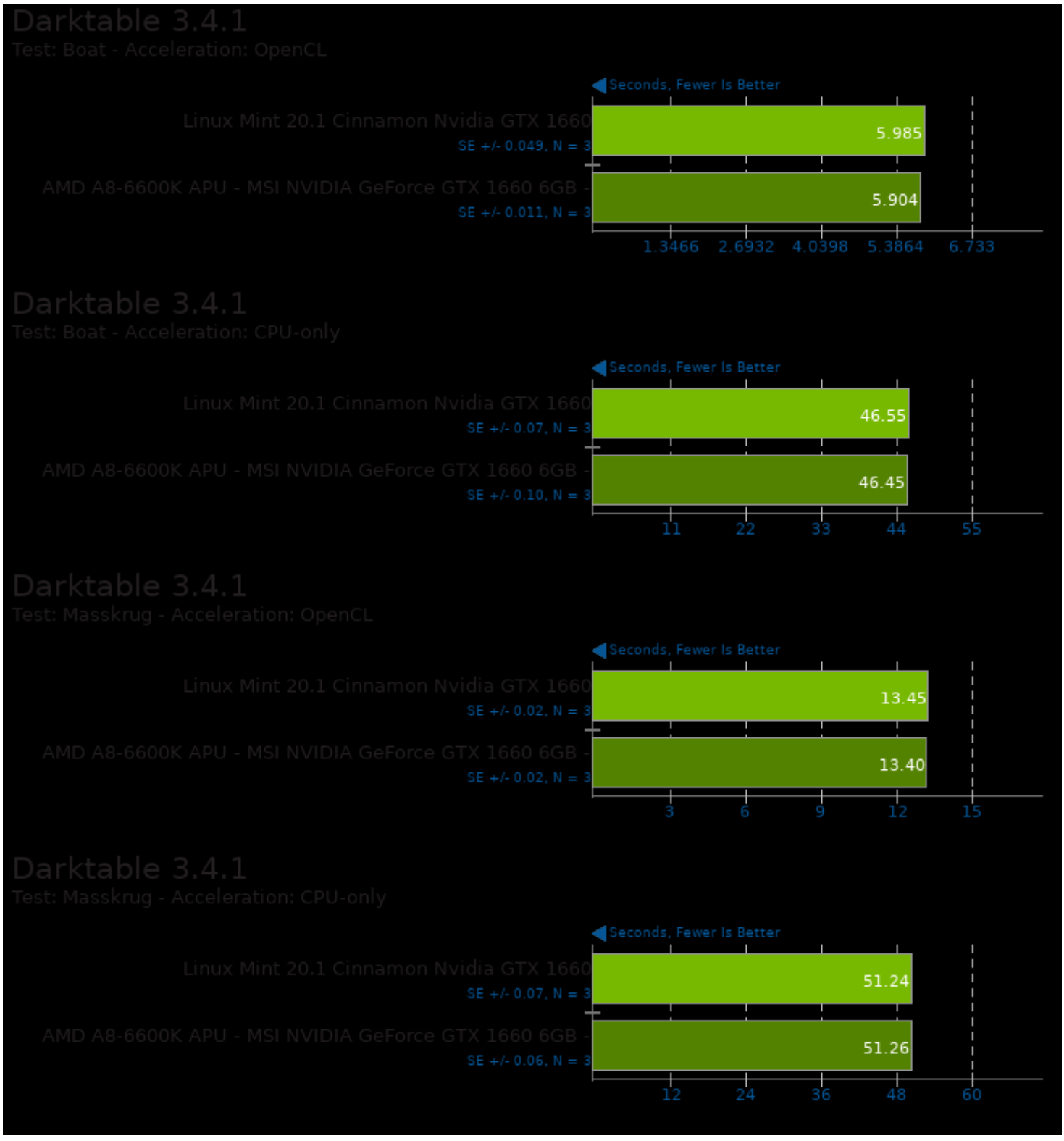
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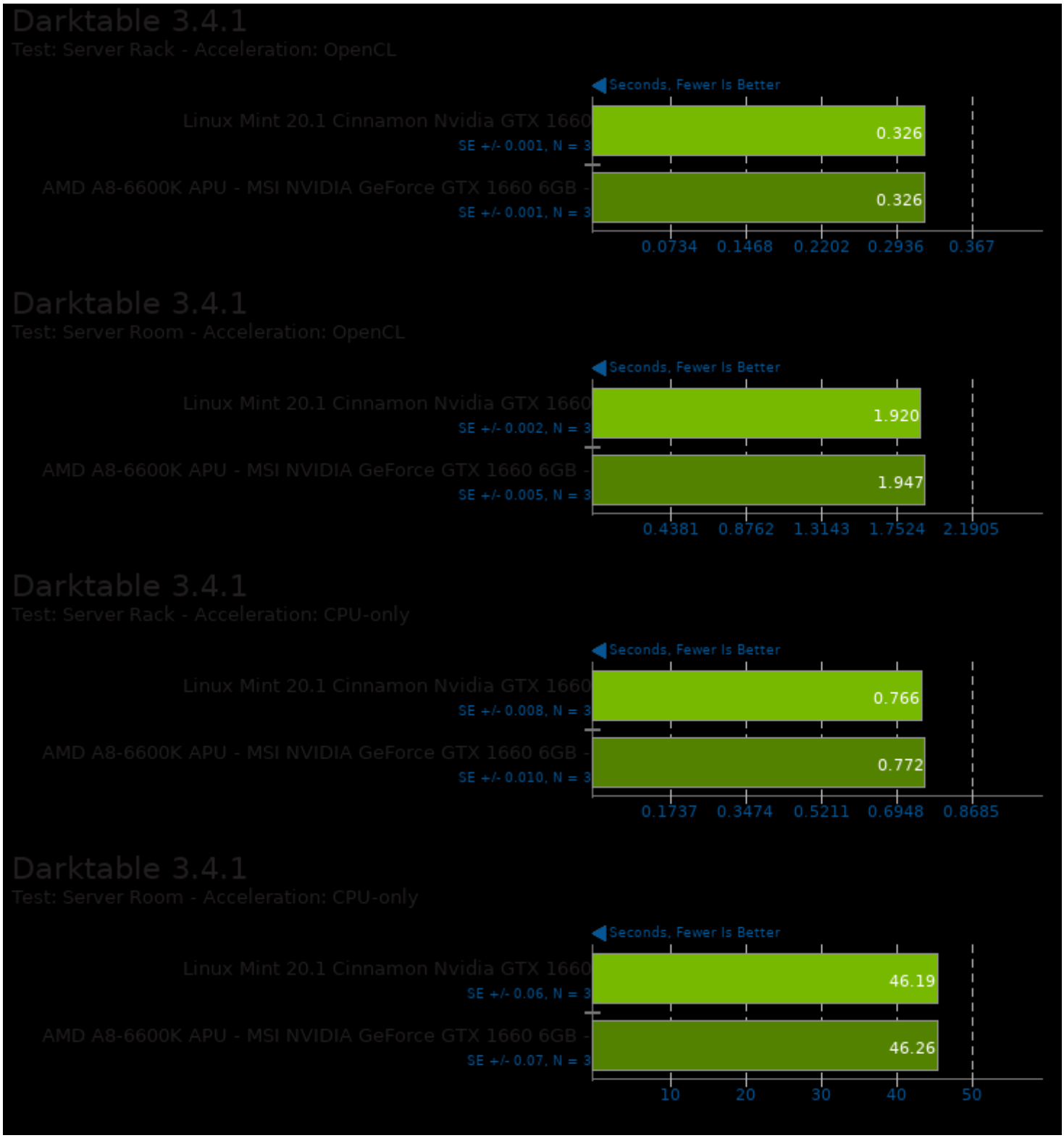
Chipset: AMD 15h, Memory: 16GB, Disk: 120GB KINGSTON SV300S3 + 1000GB Seagate ST1000DM003-1ER1 + 1000GB Seagate ST1000DM003-1CH1, Graphics: MSI NVIDIA GeForce GTX 1660 6GB (1530/4001MHz), Audio: Realtek ALC887-VD, Monitor: BenQ LCD, Network: Realtek RTL8111/8168/8411

OS: Linuxmint 20.1, Kernel: 5.4.0-65-generic (x86_64), Desktop: Cinnamon 4.8.6, Display Server: X Server 1.20.9, Display Driver: NVIDIA 460.32.03, OpenGL: 4.6.0, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 2560x1440

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: acpi-cpufreq ondemand (Boost: Enabled) - CPU Microcode: 0x6001119
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline STIBP: disabled RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	Linux Mint 20.1 Cinnamon Nvidia GTX 1660	AMD A8-6600K APU - MSI NVIDIA GeForce GTX 1660 6GB -
Darktable - Boat - OpenCL (sec)	**5.985**	**5.904**
Normalized	98.65%	100%
Standard Deviation	1.4%	0.3%
Darktable - Boat - CPU-only (sec)	**46.549**	**46.453**
Normalized	99.79%	100%
Standard Deviation	0.3%	0.4%
Darktable - Masskrug - OpenCL (sec)	**13.454**	**13.401**
Normalized	99.61%	100%
Standard Deviation	0.2%	0.3%
Darktable - Masskrug - CPU-only (sec)	**51.236**	**51.257**
Normalized	100%	99.96%
Standard Deviation	0.2%	0.2%
Darktable - Server Rack - OpenCL (sec)	0.326	0.326
Standard Deviation	0.5%	0.8%
Darktable - Server Room - OpenCL (sec)	**1.920**	**1.947**
Normalized	100%	98.61%
Standard Deviation	0.2%	0.5%
Darktable - Server Rack - CPU-only (sec)	**0.766**	**0.772**
Normalized	100%	99.22%
Standard Deviation	1.8%	2.1%
Darktable - Server Room - CPU-only (sec)	**46.185**	**46.261**
Normalized	100%	99.84%
Standard Deviation	0.2%	0.2%


Darktable 3.4.1
Test: Boat - Acceleration: OpenCL
Seconds, Fewer Is Better
Linux Mint 20.1 Cinnamon Nvidia GTX 1660
SE +/- 0.049, N = 3
5.985
AMD A8-6600K APU - MSI NVIDIA GeForce GTX 1660 6GB -
SE +/- 0.011, N = 3
5.904
1.3466 2.6932 4.0398 5.3864 6.733
Darktable 3.4.1
Test: Boat - Acceleration: CPU-only
Seconds, Fewer Is Better
Linux Mint 20.1 Cinnamon Nvidia GTX 1660
SE +/- 0.07, N = 3
46.55
AMD A8-6600K APU - MSI NVIDIA GeForce GTX 1660 6GB -
SE +/- 0.10, N = 3
46.45
11 22 33 44 55
Darktable 3.4.1
Test: Masskrug - Acceleration: OpenCL
Seconds, Fewer Is Better
Linux Mint 20.1 Cinnamon Nvidia GTX 1660
SE +/- 0.02, N = 3
13.45
AMD A8-6600K APU - MSI NVIDIA GeForce GTX 1660 6GB -
SE +/- 0.02, N = 3
13.40
3 6 9 12 15
Darktable 3.4.1
Test: Masskrug - Acceleration: CPU-only
Seconds, Fewer Is Better
Linux Mint 20.1 Cinnamon Nvidia GTX 1660
SE +/- 0.07, N = 3
51.24
AMD A8-6600K APU - MSI NVIDIA GeForce GTX 1660 6GB -
SE +/- 0.06, N = 3
51.26
12 24 36 48 60



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 02:37.