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R9 fury x vs rx 580

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Much higher effective memory clock speed 8,000 MHz vs 1,000 MHz 8x higher effective memory clock speed Higher clock speed 1,257 MHz vs 1,000 MHz More than 25% higher clock speed More memory 1,257 MHz vs 1,000 MHz More than 25% higher clock speed More memory 1,257 MHz 8,192 MB vs 4,096 MB 2x more memory Memory clock speed is much higher memory 2,000 MHz vs 500 MHz 4x higher memory clock speed Cloud gate factor speed slightly better score 22.5 vs 21.49 Approximately 5% better cloud gate factor score TDP 185W vs. 275W Approx. 35% lower TDP Much higher memory bandwidth is 512 GB/s vs. 256 GB/s higher memory bandwidth Much wider 4,096 bit memory bus vs. 256 bit 16x wider memory bus Significantly more rendering processor output 64 vs 32 Twice as much rendering output processor Higher pixel rate 64 GPixel/s vs 42.88 GPixel/s Approximately 50% higher pixel rate Significantly more many shadow units 3584 vs. 2.304.1280 shadow units Significantly more units of texture mapping 224 vs. 144 80 more texture mapping Better floating-point performance 7.16 8 GFLOPS vs. 6175 GFLOPS More than 15% better floating-point performance More computing units 56 vs. 36 20 computing units Better manhattan score 8,902.42 vs. 1 3709.21 Approximately 2.5x better manhattan higher Texture score 224 GTexel/s vs. 193 GTexel/s More than 15% higher texture level Better particle simulation score 1,040.88 mInteraction/s vs 891.57 mInteraction/s Over 15% better particle simulation score VS GPUBoss recommends AMD Radeon RX 580 based on . See more details Thank you for adding your opinion. Follow us on Facebook to stay up to date! Much higher effective memory clock speed 8,000 MHz vs 1,000 MHz 8x higher effective memory clock speed More memory 8,192 MB vs 4,096 MB 2x more memory Higher clock speed 1,257 MHz vs 1,096 MB 2x more memory Higher speed 1,257 MHz vs 1,096 MB 050 MHz Approximately 20% higher hour speed Memory clock speed is much higher 2,000 MHz vs 500 MHz 4x higher memory clock speed Higher turbo clock speed 1,340 MHz vs 1,050 MHz Approximately 30% higher turbo clock speed lower hours TDP 185W vs 275W Approximately 35% lower TDP Much higher memory bandwidth 512 GB/s vs 256 GB/s higher memory bandwidth 2x wider bus memory 4096 bit vs 256 bits 16x wider memory bus Performance floating-point better 8602 GFLOPS vs. 6175 GFLOPS Approximately 40% better floating-point performance Significantly more shadow units 4,096 vs. 2,304,1792 units significantly more shaded Significantly more texture mapping units 256 vs. 144 112 more units of texture mapping More texture levels 268.8 GTexel/s vs 193 GTexel/s Approximately 40% higher texture rate Higher pixel rate 67.2 GPixel/s vs 42.88 GPixel/s Over 55% higher pixel rate Significantly more processor rendering output 64 vs. 32 Twice as many processor rendering output Significantly more computing units 64 vs. 36 28 better computing units Better fire attack factor score 85.91 vs. 75.63 Approximately 15% better fire attack factor score VS 3D Effective VS Effective 3D Gaming GPU Speed 53.5 % 59.8 % Faster effective speed.+12% Lighting Avg. Locally-deformable PRT (Bat) 67.4 fps 77.2 fps Better lighting effects.+15% Reflection Avg. High dynamic range lighting (Teapot) 63.4 fps Better reflection handling.+11% 57.1 fps MRender Avg. GShader (Sphere) target array rendering 64.7 fps Faster multi rendering.+12% 57.8 fps Gravity Avg. NBody particle system (Galaxy) 71.4 fps 87.9 fps Faster NBody calculation.+23% Lighting Locally-deformable PRT (Bat) 76.6 fps 84.9 fps Better peak lighting effects.+11% Reflection High dynamic range lighting (Teapot) 66.8 fps 67 fps +0% MRender Render target array GShader (Sphere) 68.3 fps Faster peak multi rendering.+10% 62 fps Gravity NBody particle system (Galaxy) 78.5 fps 96.3 fps Faster peak NBody calculation.+23% BF1 Avg. Fps @ 1080p on Max 71 fps 82 Fps Better BF1 Fps.+15% Market Share Based on 36,159,545 GPUs tested. Market Share Market Share (trailing 30 days) 2.83 % Insanely higher market share.+14.050% 0.02 % Value For Money 68.5 % Excellent value.+278% 18.1 % UBM User Ratings User Ratings 138% Much more popular.+50%92% Price (score) $185 Much cheaper.+76% $781 RX 580 AD launched this week and is AMD's latest flagship GPU based on the second generation Polaris architecture. The 580 is a refresher of the RX 480 which was released just 10 months ago. Modifications to the architecture have resulted in thermal improvements and an increase in clock speed of about 10%. Rx 580 will come with high bandwidth GDDR5 memory of 4GB or 8GB. The exact price for this mid-range chip remains to be seen, but the RX 500 series is likely to cannibalize sales of the AMD 400 series. In performance, the RX 580 competes directly with NVIDIA's popular GTX 1060 6GB which is now 9 months old. Perhaps after last year's sick head to head release of the faster RX 480 and GTX 1060 but the same price (a stalemate that NVIDIA apparently won based on market share), AMD is trying to pull back some market share with the newer and slightly improved RX 580. [Apr '17 GPUPro] MORE DETAILS AMD R9 Fury X sports a new Fiji GPU that replaces Hawaii as AMD's new high end GPU (Hawaii powers 290/X and 390/X series cards). The new GPU is coupled with High Bandwidth Memory (HBM) which is a new memory architecture that allows much higher bandwidth than previous generations. Fury X is an overclocked factory and has a TDP of only 275W, 4GB VRAM and is equipped with a water cooling system that produces a relatively small form factor for the top end graphics card. Although Fury X only has 4GB of VRAM, this is rarely a problem for games even at 4K resolution. The key comparable to Fury X is the 980 Ti. Same Nvidia price as 980 Ti and Fury X that at the stock hour there is very little two cards but the Ti 980 has a much better overclocking potential where it leads up to 25%. Overall Fury X trade blows with the best GPU currently available. [Jun '15 GPUPro] MORE DETAILS How Fast is your GPU? (Your building bench) Size your PC in less than a minute. Welcome to our freeware PC speed test tool. UserBenchmark will test your PC and compare the results with other users with the same components. You can quickly upgrade your PC, identify hardware issues, and explore the best upgrades. UserBenchmark of the month Gaming Desktop ProGaming CPU GPU SSD HDD RAM USB How it works - Download and run UserBenchmark. - CPU tests include: integers, floats and strings. - GPU tests include: six 3D game simulations. - Drive tests include: reading, writing, continuous writing and mixed IO. - RAM tests include: single/multi core bandwidth and latency. - Reports are generated and presented on userbenchmark.com. - Identify the strongest components on your PC. - View speed test results from other users. - Compare your components with current market leaders. - Explore your best upgrade options with virtual PC builds. - Compare your in-game FPS with other users with your hardware. - Share your opinion by voting. AMD x80 cards are always defined by mid-range pricing with performance that knocks on the door of high-end graphics cards – especially when overclocked. After taking the time to fully test the GCN 4.0 graphics card inside the RX 580, we can say without a doubt that it continues the trend. The RX 580 is much cheaper than the RX 480 because it costs $229. Compare this to the RX 480, which originally came in at a price of $400. Meanwhile, NVIDIA's closest equivalent card is the 6GB GTX 1060 which costs $254. Unfortunately, the performance of the game is not so impressive. Even if the RX 580 consistently delivers an increase in frame rate during the RX 480, the gain is not much to justify the upgrade. For 1080p Full HD, we can play Final Fantasy XV, Apex Legends, Shadow of the Tomb Raider, F1 2019, Forza Horizon 4 at 62 fps to 68 fps and keep frame rates hovering around 65 fps. For 1440p Quad HD, we can play Call of Duty: Black Ops 4, Fallout 76, World War Z, Battlefield V, Valorant at 64 fps to 107 fps and keep frame rates hovering around 74 fps. For 2160p 4K, we can play Valorant at 93 fps to 93 fps and keep the frame rate hovering around 93 fps. The R9 FURY X is much more expensive than the R9 390 because it costs $649. Compare this to the R9 390, AMD Radeon R9 390X, which originally came in priced at $329, $429. Meanwhile, NVIDIA's closest equivalent card is the GTX 980 which costs $549. Unfortunately, the performance of the game so impressive. Even if the R9 FURY X consistently delivers a frame rate increase over the R9 390, amd Radeon R9 390X, the advantages are not much to justify the increase. What Is is a justifiable improvement depending on what graphics card you are upgrading. Users with R9 390, AMD Radeon R9 390X will not see a tremendous increase in frame rates after paying more for this R9 FURY X. Similarly, those holding gtx 980 GTX 780 graphics cards will have no reason to jump the team yet. For 1080p Full HD, we can play Gears of War 5, Monster Hunter: World, Final Fantasy XV, Godfall, Forza Horizon 4 at 60 fps to 68 fps and keep frame rates hovering around 65 fps. For 1440p Quad HD, we can play Apex Legends, Resident Evil 2, Call of Duty Modern Warfare, Strange Brigade, Battlefield V at 60 fps to 69 fps and keep frame rates hovering around 65 fps. For 2160p 4K, we can play Valorant at 108 fps to 108 fps and keep the frame rate hovering around 108 fps. So the title pretty much sums it up, I got a chance to take the Shappire R9 Fury X for sub $400 USD, I currently have 580 in real world experience is it worth it? I mainly play in 1080p things like pubg, Sea of thieves, Fortnite, DOOM, Fortza Horizon 3 ect... Any help would be niceSpecs R7 1700 3.65 RX 580 1337 hours 2250 memory 16 gig corsair revenge X370 mobo Monitor free synchronizationPage 2 20 comments comments comments