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R7-5800xSTOK

AMD Ryzen 7 5800X 8-Core testing with a MSI MAG B550 TOMAHAWK (MS-7C91) (A.B0 BIOS) and AMD Radeon RX 6900 XT 4GB on Microsoft Windows 11 Pro Build 22621 via the Phoronix Test Suite.

Test Systems:

R7-5800xSTOK

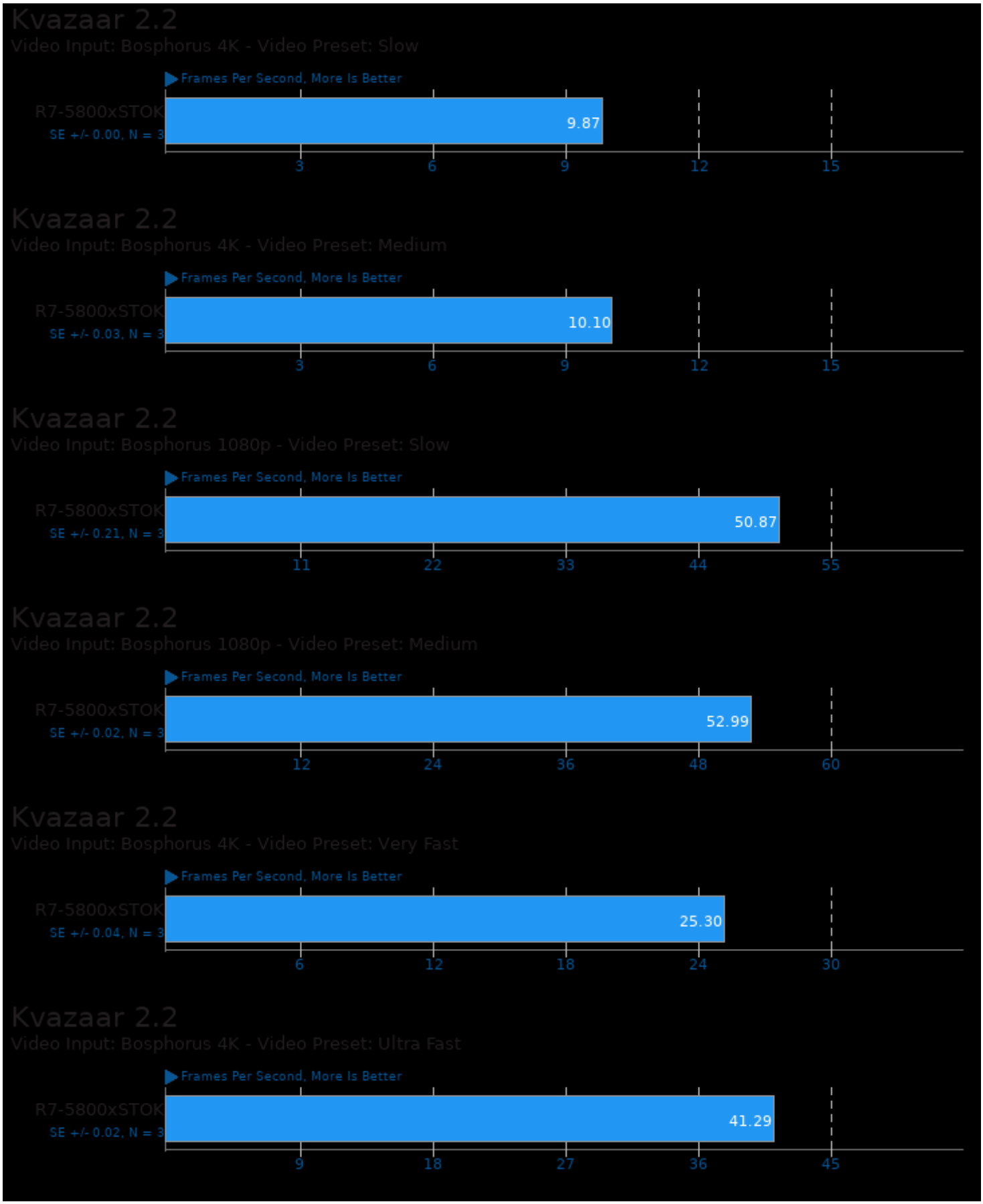
Processor: AMD Ryzen 7 5800X 8-Core @ 3.80GHz (8 Cores / 16 Threads), Motherboard: MSI MAG B550 TOMAHAWK (MS-7C91) (A.B0 BIOS), Memory: 2 x 8192 MB 3600MHz Unknown, Disk: 447GB KINGSTON SA400S37480G + 932GB Sabrent Rocket Q, Graphics: AMD Radeon RX 6900 XT 4GB, Audio: AMD Streaming Audio Device + Realtek HD Audio + AMD HD Audio Device, Monitor: MSI MAG7CQR, Network: Realtek PCIe 2.5GbE + Realtek 8812BU Wireless LAN 802.11ac USB NIC + Realtek PCIe GbE

OS: Microsoft Windows 11 Pro Build 22621, Kernel: 10.0.22621.1105 (x86_64), Display Driver: 31.0.12029.10015, OpenCL: OpenCL 2.1 AMD-APP (3444.0), File-System: NTFS, Screen Resolution: 2560x1440

Security Notes: __user pointer sanitization: Disabled + Retpoline: Full + IBPB: Always + IBRS: Enabled + STIBP: Enabled + VBS: Disabled

R7-5800xSTOK

	R7-5800xSTOK
Kvazaar - Bosphorus 4K - Slow (FPS)	9.87
Standard Deviation	0.1%
Kvazaar - Bosphorus 4K - Medium (FPS)	10.10
Standard Deviation	0.5%
Kvazaar - Bosphorus 1080p - Slow (FPS)	50.87
Standard Deviation	0.7%
Kvazaar - Bosphorus 1080p - Medium (FPS)	52.99
Standard Deviation	0.1%
Kvazaar - Bosphorus 4K - Very Fast (FPS)	25.30
Standard Deviation	0.3%
Kvazaar - Bosphorus 4K - Ultra Fast (FPS)	41.29
Standard Deviation	0.1%
Kvazaar - Bosphorus 1080p - Very Fast (FPS)	108.14
Standard Deviation	0.1%
Kvazaar - Bosphorus 1080p - Ultra Fast (FPS)	183.64
Standard Deviation	0.4%
x264 - Bosphorus 4K (FPS)	32.22
Standard Deviation	1.4%
x264 - Bosphorus 1080p (FPS)	140.50
Standard Deviation	0.6%
7-Zip Compression - Compression Rating (MIPS)	76287
Standard Deviation	0.5%
7-Zip Compression - D.R (MIPS)	75079
Standard Deviation	0.2%
Stockfish - Total Time (Nodes/s)	28480359
Standard Deviation	2.5%
asmFish - 1.H.M.2.D (Nodes/s)	36101543
Standard Deviation	1.7%
NAMD - ATPase Simulation - 327,506 Atoms (days/ns)	1.56744
Standard Deviation	0.3%
Blender - Barbershop - CPU-Only (sec)	1471
Standard Deviation	1.1%


Kvazaar 2.2
Video Input: Bosphorus 4K - Video Preset: Slow
Frames Per Second, More Is Better
R7-5800xSTOK
SE +/- 0.00, N = 3
9.87
3
6
9
12
15
Kvazaar 2.2
Video Input: Bosphorus 4K - Video Preset: Medium
Frames Per Second, More Is Better
R7-5800xSTOK
SE +/- 0.03, N = 3
10.10
3
6
9
12
15
Kvazaar 2.2
Video Input: Bosphorus 1080p - Video Preset: Slow
Frames Per Second, More Is Better
R7-5800xSTOK
SE +/- 0.21, N = 3
50.87
11
22
33
44
55
Kvazaar 2.2
Video Input: Bosphorus 1080p - Video Preset: Medium
Frames Per Second, More Is Better
R7-5800xSTOK
SE +/- 0.02, N = 3
52.99
12
24
36
48
60
Kvazaar 2.2
Video Input: Bosphorus 4K - Video Preset: Very Fast
Frames Per Second, More Is Better
R7-5800xSTOK
SE +/- 0.04, N = 3
25.30
6
12
18
24
30
Kvazaar 2.2
Video Input: Bosphorus 4K - Video Preset: Ultra Fast
Frames Per Second, More Is Better
R7-5800xSTOK
SE +/- 0.02, N = 3
41.29
9
18
27
36
45

Kvazaar 2.2

Video Input: Bosphorus 1080p - Video Preset: Very Fast



Kvazaar 2.2

Video Input: Bosphorus 1080p - Video Preset: Ultra Fast



x264 2022-02-22

Video Input: Bosphorus 4K



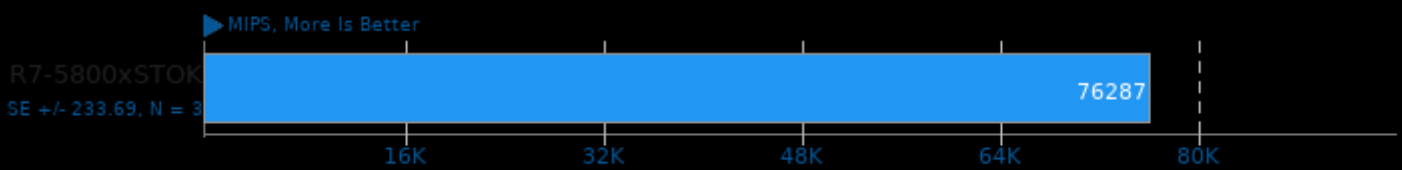
x264 2022-02-22

Video Input: Bosphorus 1080p



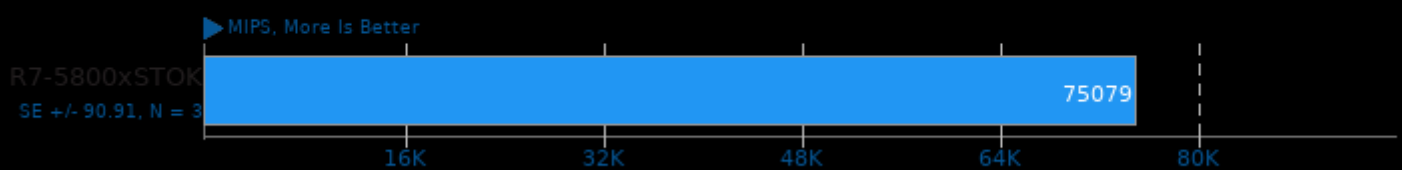
7-Zip Compression 22.01

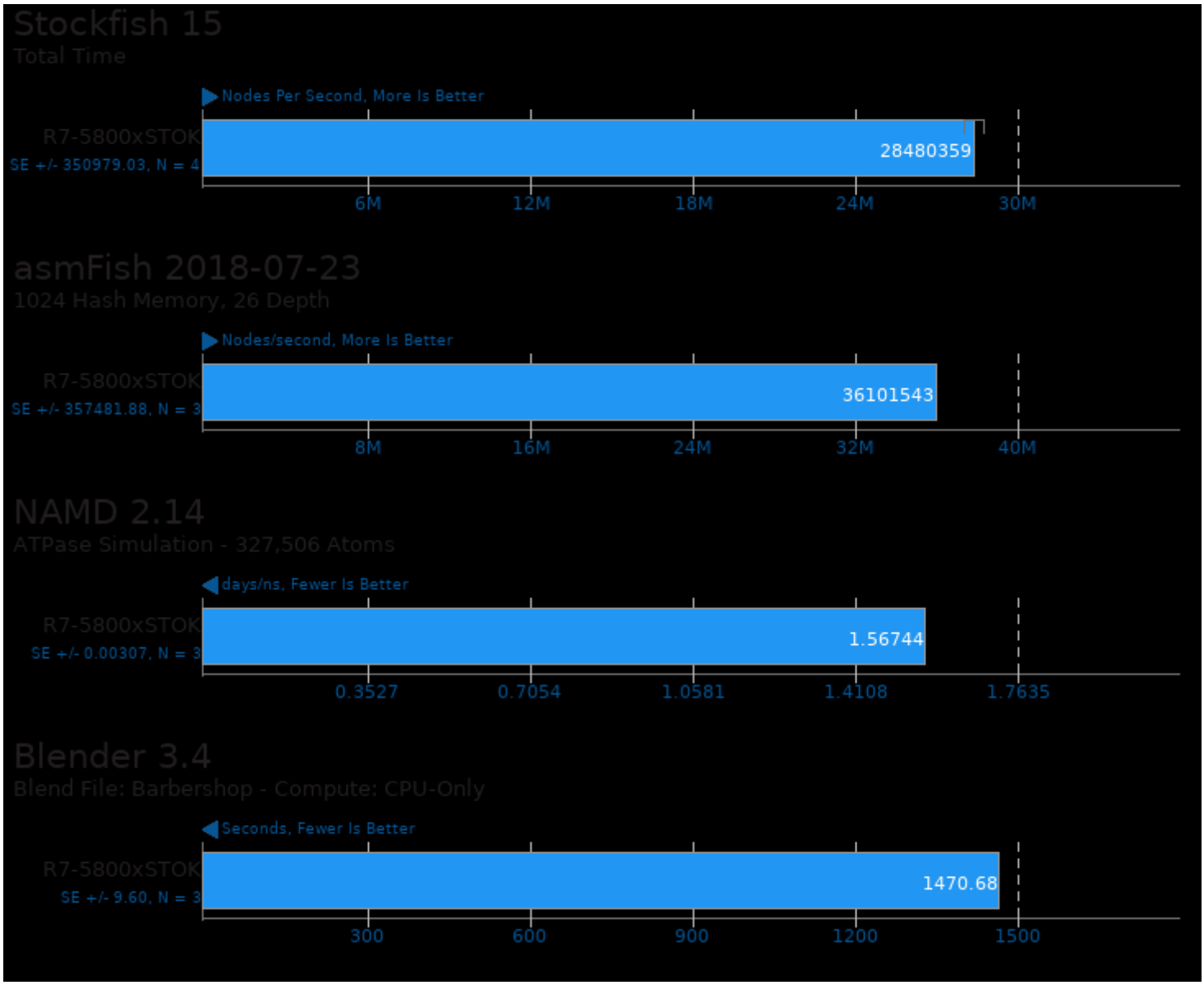
Test: Compression Rating



7-Zip Compression 22.01

Test: Decompression Rating





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