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mini computers

Running pts/x11perf-1.1.1, pts/ramspeed-1.4.0, pts/c-ray-1.1.0, pts/dcraw-1.1.0, pts/encode-mp3-1.4.0, pts/sample-program-1.1.0, pts/pybench-1.0.0, pts/nginx-1.1.0, pts/phpbench-1.1.0 via the Phoronix Test Suite.

Automated Executive Summary

Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R had the most wins, coming in first place for 92% of the tests.

Based on the geometric mean of all complete results, the fastest (Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R) was 70.939x the speed of the slowest (raspberry). AMD Radeon HD 8500M - Intel Core i5-3317U was 0.661x the speed of Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R, intel sandy i5 was 0.919x the speed of AMD Radeon HD 8500M - Intel Core i5-3317U, odroid-xu4 was 0.414x the speed of intel sandy i5, odroid-x2 was 0.466x the speed of odroid-xu4, raspberry was 0.12x the speed of odroid-x2.

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

x11perf (Test: Fill 300 x 300px AA Trapezoid) at 1302.303x
x11perf (Test: Char in 80-char aa line) at 512.093x
x11perf (Test: 500px Compositing From Window To Window) at 346.753x
x11perf (Test: PutImage XY 500x500 Square) at 231.429x
C-Ray (Total Time) at 182.551x
RAMspeed SMP (Type: Copy - Benchmark: Integer) at 122.7x

RAMspeed SMP (Type: Scale - Benchmark: Integer) at 122.178x
x11perf (Test: 500px Copy From Window To Window) at 103.336x
RAMspeed SMP (Type: Average - Benchmark: Integer) at 100.054x
RAMspeed SMP (Type: Scale - Benchmark: Floating Point) at 93.375x.

Test Systems:

raspberry

Processor: ARMv6-compatible rev 7 @ 0.70GHz (1 Core), Motherboard: BCM2708, Memory: 438MB, Disk: 16GB SU16G

OS: Debian Linux 7.0, Kernel: 3.6.11+ (armv6l), Desktop: LXDE 0.5.10, Display Server: X Server 1.12.4, Compiler: GCC 4.6, File-System: ext4, Screen Resolution: 1366x768

Compiler Notes: --build=arm-linux-gnueabihf --disable-sjlj-exceptions --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-languages=c,c++,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=arm-linux-gnueabihf --target=arm-linux-gnueabihf --with-arch=armv6 --with-float=hard --with-fpu=vfp -v
Processor Notes: Scaling Governor: powersave
System Notes: Python 2.7.3.

intel sandy i5

Processor: Intel Core i5-2410M @ 2.30GHz (4 Cores), Motherboard: ASUS N53SV v1.0, Chipset: Intel 2nd Generation Core Family DRAM, Memory: 8192MB, Disk: 500GB Seagate ST9500325AS, Graphics: Intel 2nd Generation Core Family IGP, Audio: Realtek ALC269VB, Monitor: IPS224, Network: Realtek RTL8111/8168 + Atheros AR9285 Wireless

OS: Ubuntu 13.04, Kernel: 3.9.0-030900rc8-generic (x86_64), Desktop: Xfce 4.10, Display Server: X Server 1.13.3, Display Driver: intel 2.21.6, OpenGL: 3.0 Mesa 9.2.0 (git-3900a0e quantal-oibaf-ppa), Compiler: GCC 4.7, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-cloog-version-check --disable-ppl-version-check --disable-werror --enable-checking=release --enable-clocale=gnu --enable-cloog-backend=ppl --enable-gnu-unique-object --enable-languages=c,c++,go,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-cloog --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: ondemand
Graphics Notes: SNA
System Notes: Python 2.7.4.

odroid-x2

Processor: ARMv7 rev 0 @ 1.60GHz (1 Core), Motherboard: ODROIDX2, Memory: 2048MB, Disk: 16GB SU16G

OS: Ubuntu 12.11, Kernel: 3.0.60-odroidx2 (armv7l), Desktop: Unity 2D, Display Server: X Server 1.11.3, OpenGL: 2.1 Mesa 8.0.4, Compiler: GCC 4.6, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=arm-linux-gnueabihf --disable-sjlj-exceptions --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-languages=c,c++,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=arm-linux-gnueabihf --target=arm-linux-gnueabihf --with-arch=armv7-a --with-float=hard --with-fpu=vfpv3-d16 --with-mode=thumb -v
Processor Notes: Scaling Governor: ondemand
System Notes: Python 2.7.3.

AMD Radeon HD 8500M - Intel Core i5-3317U

Processor: Intel Core i5-3317U @ 2.60GHz (4 Cores), Motherboard: Dell 02XR30, Chipset: Intel 3rd Gen Core DRAM, Memory: 8192MB, Disk: 1000GB Western Digital WD10JPVT-75A, Graphics: AMD Radeon HD 8500M/8700M 2048MB (700/900MHz), Audio: Intel 7 /C210, Network: Realtek RTL8101E/RTL8102E + Qualcomm Atheros AR9485 Wireless

OS: Mageia 5, Kernel: 3.19.7-desktop-1.mga5 (x86_64), Desktop: KDE 4.14.5, Display Server: X Server 1.16.4, Display Driver: intel 2.99.917, OpenGL: 4.4.13283, Compiler: GCC 4.9.2, File-System: ext4, Screen Resolution: 1366x768

Compiler Notes: --build=x86_64-mageia-linux-gnu --disable-libjava-multilib --disable-libssp --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-checking=release --enable-clocale=gnu --enable-gtk-cairo --enable-java-awt=gtk --enable-languages=c,c++,ada,fortran,objc,obj-c++,java --enable-long-long --enable-lto --enable-objc-gc --enable-shared --enable-ssp --enable-threads=posix --host=x86_64-mageia-linux-gnu --mandir=/usr/share/man --with-cloog --with-cpu=generic --with-ppl --with-python-dir=/lib/python2.7/site-packages --with-slibdir=/lib64
Processor Notes: Scaling Governor: intel_pstate performance
Graphics Notes: UXA
System Notes: Python 2.7.9.

Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R

Processor: Intel Core i5-4570R @ 3.20GHz (4 Cores), Motherboard: GIGABYTE M4HM85P-00, Chipset: Intel Crystal Well DRAM, Memory: 16384MB, Disk: 512GB Samsung SSD 840 + 250GB Samsung SSD 840, Graphics: Intel Device 0d22 (1150MHz), Audio: Intel Crystal Well HD Audio, Monitor: ASUS VN247, Network: Realtek RTL8111/8168/8411 + Intel Wireless 7260

OS: Ubuntu 15.04, Kernel: 4.2.0-040200rc3-generic (x86_64) 20150719, Desktop: Unity 7.3.2, Display Server: X Server 1.17.1, Display Driver: intel 2.99.917, OpenGL: 3.2 Mesa 10.7.0-devel (git-fcc1949 2015-07-22 vivid-oibaf-ppa), Compiler: GCC 4.9.2, File-System: btrfs, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,c++,java,go,d,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-arch-directory=amd64 --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: intel_pstate powersave
Graphics Notes: SNA
System Notes: Python 2.7.9.

odroid-xu4

Processor: Exynos ARMv7 rev 3 @ 1.40GHz (8 Cores), Motherboard: ODROID-XU3, Memory: 2048MB, Disk: 63GB 064GE2 + 63GB SD64G, Monitor: ASUS VN247

OS: Ubuntu 15.04, Kernel: 3.10.82-40 (armv7l), Desktop: MATE 1.8.2, Display Server: X Server 1.17.1, OpenGL: 2.1 Mesa 10.5.2, Compiler: GCC 4.9.2, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=arm-linux-gnueabihf --disable-browser-plugin --disable-libitm --disable-libquadmath --disable-sjlj-exceptions --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,c++,java,go,d,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=arm-linux-gnueabihf --target=arm-linux-gnueabihf --with-arch-directory=arm --with-arch=armv7-a --with-float=hard --with-fpu=vfpv3-d16 --with-mode=thumb -v
Processor Notes: Scaling Governor: exynos_cpufreq performance
Graphics Notes: EXA
System Notes: Python 2.7.9.

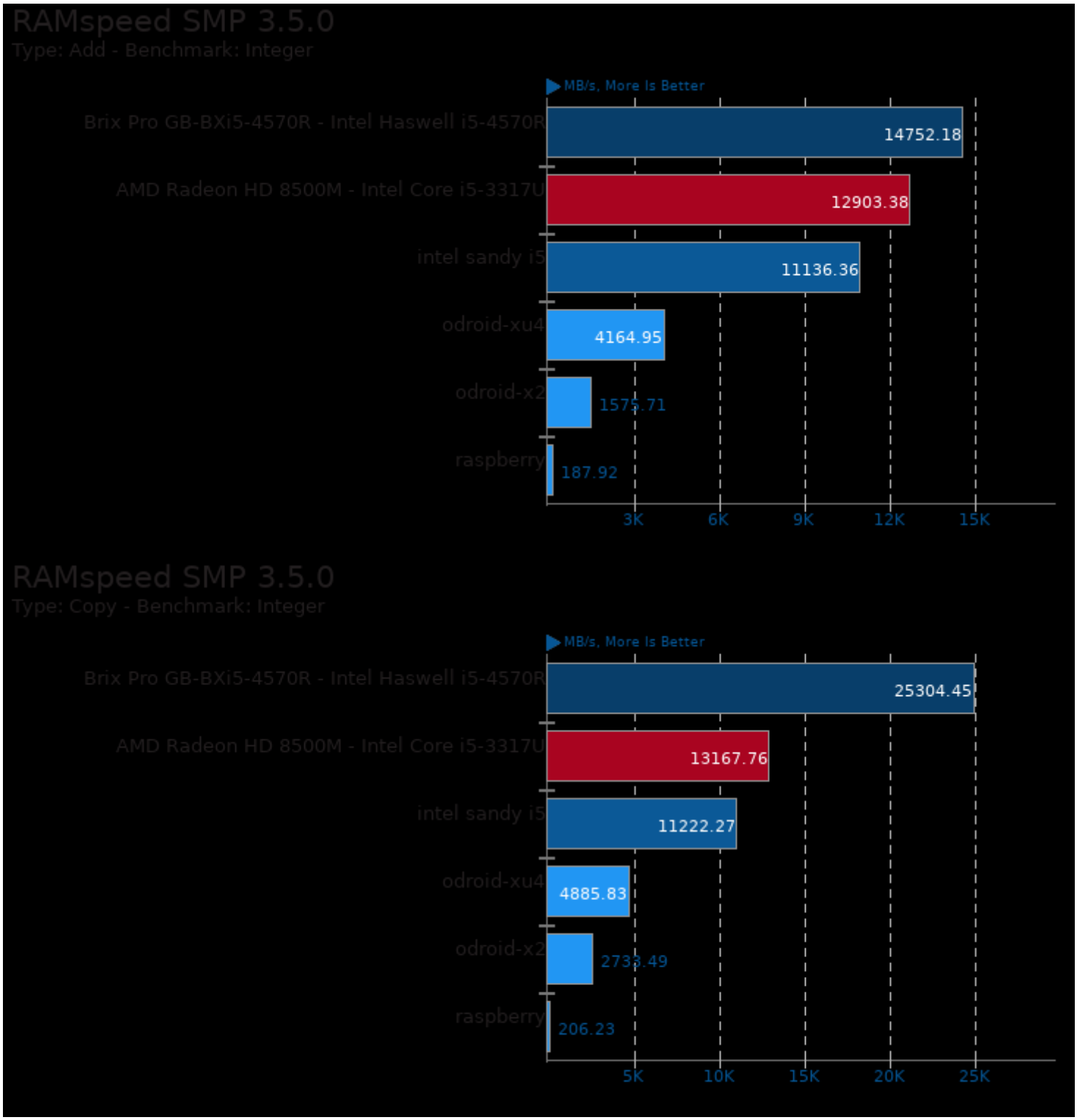
Phoronix Test Suite

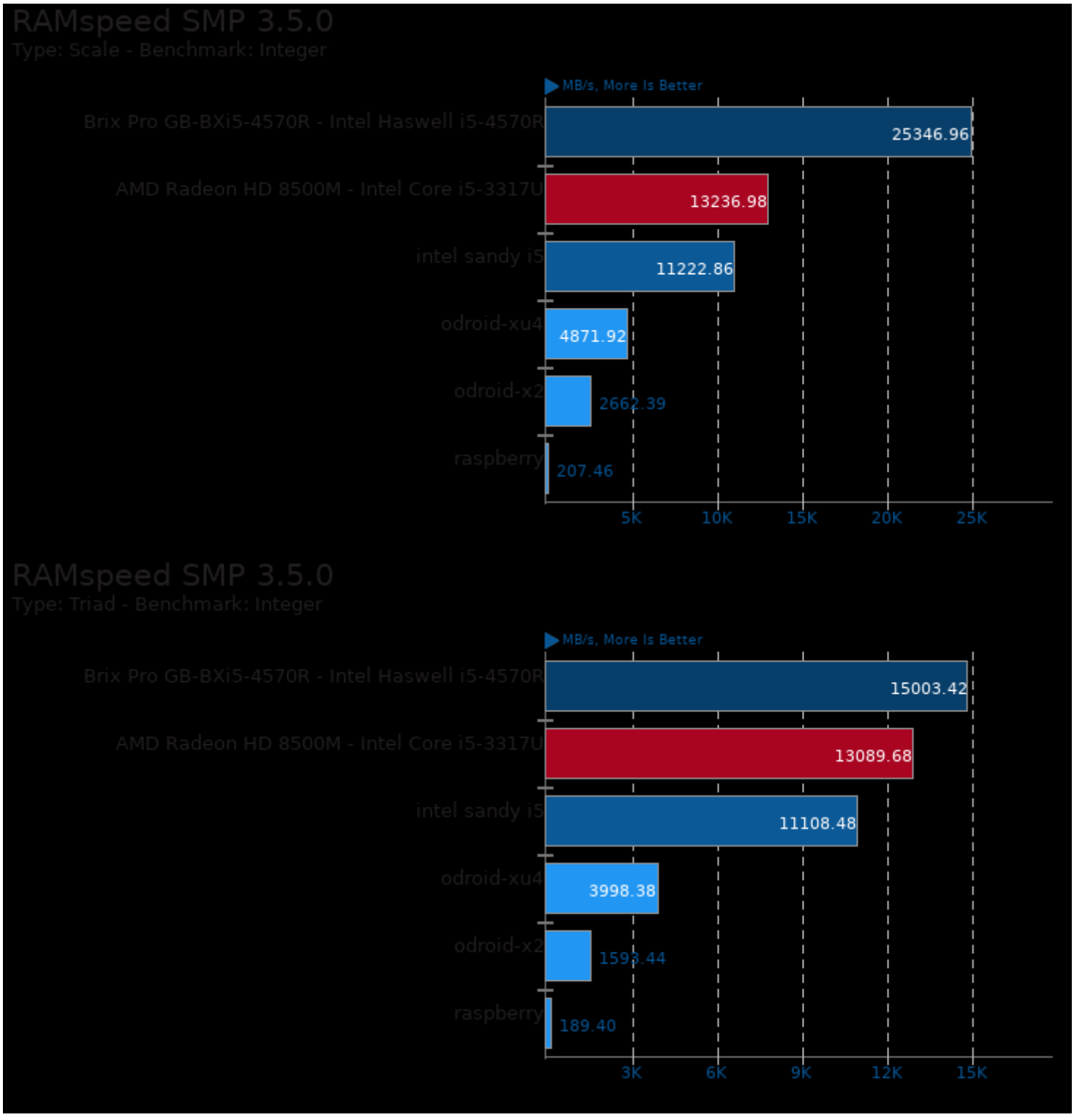
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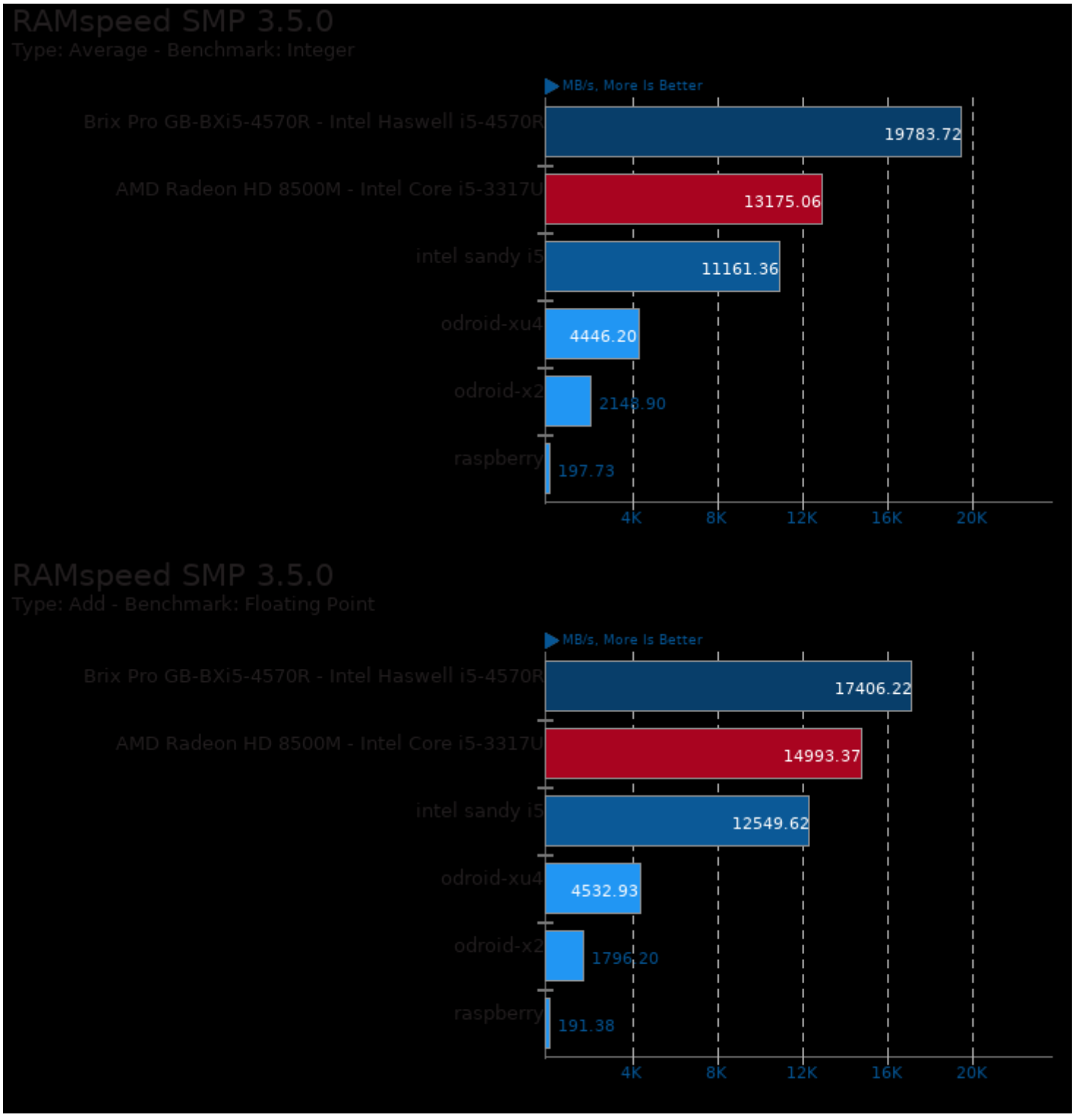
	raspberry	intel sandy i5	odroid-x2	AMD Radeon HD 8500M - Intel Core i5-3317U	Brix Pro GB-BXi5-4570 R - Intel Haswell i5-4570R	odroid-xu4
RAMspeed SMP - Add - Integer (MB/s)	187.92	11136	1576	12903	14752	4165
Normalized	1.27%	75.49%	10.68%	87.47%	100%	28.23%
RAMspeed SMP - Copy - Integer (MB/s)	206.23	11222	2733	13168	25304	4886
Normalized	0.81%	44.35%	10.8%	52.04%	100%	19.31%
RAMspeed SMP - Scale - Integer (MB/s)	207.46	11223	2662	13237	25347	4872
Normalized	0.82%	44.28%	10.5%	52.22%	100%	19.22%
RAMspeed SMP - Triad - Integer (MB/s)	189.40	11108	1593	13090	15003	3998
Normalized	1.26%	74.04%	10.62%	87.24%	100%	26.65%
RAMspeed SMP - Average - Integer (MB/s)	197.73	11161	2149	13175	19784	4446
Normalized	1%	56.42%	10.86%	66.6%	100%	22.47%
RAMspeed SMP - Add - Floating Point (MB/s)	191.38	12550	1796	14993	17406	4533
Normalized	1.1%	72.1%	10.32%	86.14%	100%	26.04%
RAMspeed SMP - Copy - Floating Point (MB/s)	241.79	11032	2216	13291	22090	5060
Normalized	1.09%	49.94%	10.03%	60.17%	100%	22.91%
RAMspeed SMP - Scale - Floating Point (MB/s)	214	11236	2687	13235	19982	4927
Normalized	1.07%	56.23%	13.45%	66.23%	100%	24.66%
RAMspeed SMP - Triad - Floating Point (MB/s)	191.27	12729	1848	15010	17142	4430
Normalized	1.12%	74.26%	10.78%	87.56%	100%	25.84%
RAMspeed SMP - Average - Floating Point (MB/s)	209.55	11893	2150	14143	19243	4728
Normalized	1.09%	61.8%	11.17%	73.5%	100%	24.57%
x11perf - 5.P.S (Operations / Second)	61.00	3037	174		4810	614
Normalized	1.27%	63.14%	3.62%		100%	12.77%
Standard Deviation	0.2%	0.2%	0.9%		1.3%	0.6%
x11perf - S.5.x.5.p (Operations / Second)	290	3580	3970		13167	361
Normalized	2.2%	27.19%	30.15%		100%	2.74%
Standard Deviation	0.2%	0%	1.6%		0.4%	0.2%
x11perf - C.i.8.c.a.l (Operations / Second)	31700	16233333	241333		13433333	52267
Normalized	0.2%	100%	1.49%		82.75%	0.32%
Standard Deviation	0.3%	1.3%	2.8%		0.4%	0.3%
x11perf - P.X.5.S (Operations / Second)	6.60	162	32.17		155	0.70
Normalized	4.07%	100%	19.86%		95.68%	0.43%
Standard Deviation	0%	0%	1.7%		0.4%	0%

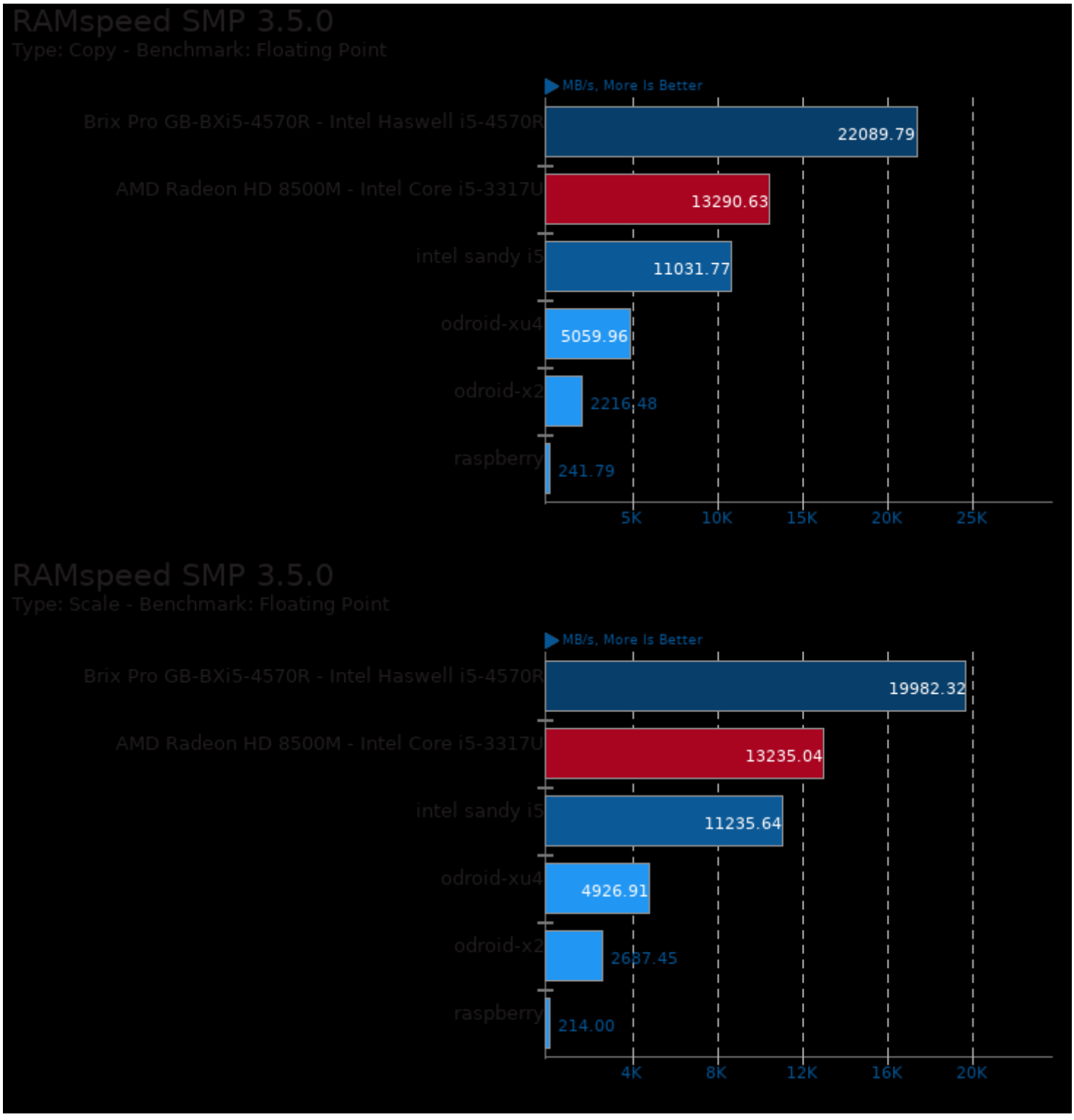
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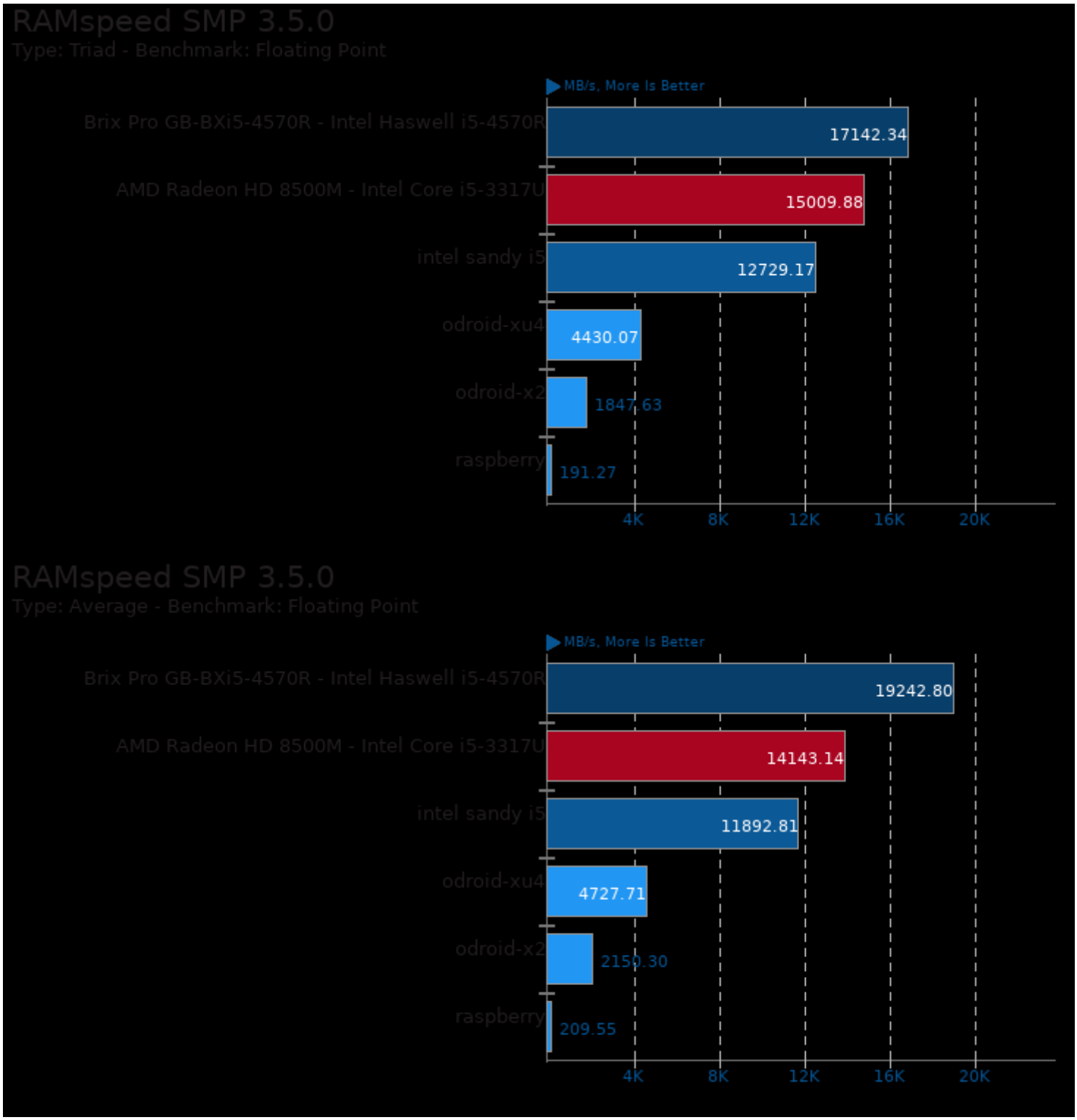
x11perf - F.3.x.3.A.T (Operations / Second)	**333**	259000	1087		**433667**	639
Normalized	0.08%	59.72%	0.25%		100%	0.15%
Standard Deviation	0.2%	2%	0.5%		0.1%	0.1%
x11perf - 5.C.F.W.T.W (Operations / Second)	170	3590	1487		**14467**	**140**
Normalized	1.18%	24.82%	10.28%		100%	0.97%
Standard Deviation	0.3%	0%	0.4%		0.4%	0%
x11perf - C.5.F.P.T.P (Operations / Second)	199	4367	1940		**14933**	**144**
Normalized	1.33%	29.24%	12.99%		100%	0.96%
Standard Deviation	0%	25%	1.4%		0.4%	1.2%
x11perf - 5.C.F.P.T.W (Operations / Second)	261	3610	1833		**16742**	**77.63**
Normalized	1.56%	21.56%	10.95%		100%	0.46%
Standard Deviation	0%	1%	2.1%		40.2%	0.1%
x11perf - 5.C.F.W.T.W (Operations / Second)	268	3590	3510		**26967**	**77.77**
Normalized	0.99%	13.31%	13.02%		100%	0.29%
Standard Deviation	0.2%	0%	1.7%		1.1%	0.1%
NGINX Benchmark - S.W.P.S (Reqs/sec)	**377.34**	18183	6206	15720	**34505**	
Normalized	1.09%	52.7%	17.99%	45.56%	100%	
Standard Deviation	0.1%	3.3%	0.3%	0.1%	1.2%	
PHPBench - P.B.S (Score)	**3103**	88727	15480	78509	**125741**	30122
Normalized	2.47%	70.56%	12.31%	62.44%	100%	23.96%
Standard Deviation	1.9%	0.3%	0%	0.4%	0.1%	2.9%
PyBench - T.F.A.T.T (Milliseconds)	**79878**	2645	12200	3515	**1723**	7060
Normalized	2.16%	65.14%	14.12%	49.02%	100%	24.41%
Standard Deviation	4.1%	0.3%	0.1%	0.6%	0.3%	0.5%
C-Ray - Total Time (sec)	**5394**	97.00	390.48	86.61	**29.55**	103.53
Normalized	0.55%	30.46%	7.57%	34.12%	100%	28.54%
Standard Deviation	0.3%	0%	0.5%	0%	0.1%	0.8%
dcraw - R.T.P.I.C (sec)	**1713**	80.47	438.81	79.06	**57.96**	215.11
Normalized	3.38%	72.03%	13.21%	73.31%	100%	26.94%
Standard Deviation	0.3%	0.9%	0.1%	0.1%	0%	1%
LAME MP3 Encoding - WAV To MP3 (sec)	**389.13**	18.40	79.11	18.11	**14.17**	40.50
Normalized	3.64%	77.01%	17.91%	78.24%	100%	34.99%
Standard Deviation	2.3%	0.8%	0.1%	0.1%	0.5%	0.3%
Sample Pi Program - P.T.S.v.4.1 (sec)	**91.76**	4.80	21.21	5.05	**3.70**	13.23
Normalized	4.03%	77.08%	17.44%	73.27%	100%	27.97%
Standard Deviation	0.2%	0.1%	0%	0.3%	1%	1.4%


RAMspeed SMP 3.5.0
Type: Add - Benchmark: Integer
MB/s, More Is Better
Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R
14752.18
AMD Radeon HD 8500M - Intel Core i5-3317U
12903.38
intel sandy i5
11136.36
odroid-xu4
4164.95
odroid-x2
1575.71
raspberry
187.92
3K
6K
9K
12K
15K
RAMspeed SMP 3.5.0
Type: Copy - Benchmark: Integer
MB/s, More Is Better
Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R
25304.45
AMD Radeon HD 8500M - Intel Core i5-3317U
13167.76
intel sandy i5
11222.27
odroid-xu4
4885.83
odroid-x2
2733.49
raspberry
206.23
5K
10K
15K
20K
25K


RAMspeed SMP 3.5.0
Type: Scale - Benchmark: Integer
MB/s, More Is Better
Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R
25346.96
AMD Radeon HD 8500M - Intel Core i5-3317U
13236.98
intel sandy i5
11222.86
odroid-xu4
4871.92
odroid-x2
2662.39
raspberry
207.46
5K
10K
15K
20K
25K
RAMspeed SMP 3.5.0
Type: Triad - Benchmark: Integer
MB/s, More Is Better
Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R
15003.42
AMD Radeon HD 8500M - Intel Core i5-3317U
13089.68
intel sandy i5
11108.48
odroid-xu4
3998.38
odroid-x2
1593.44
raspberry
189.40
3K
6K
9K
12K
15K

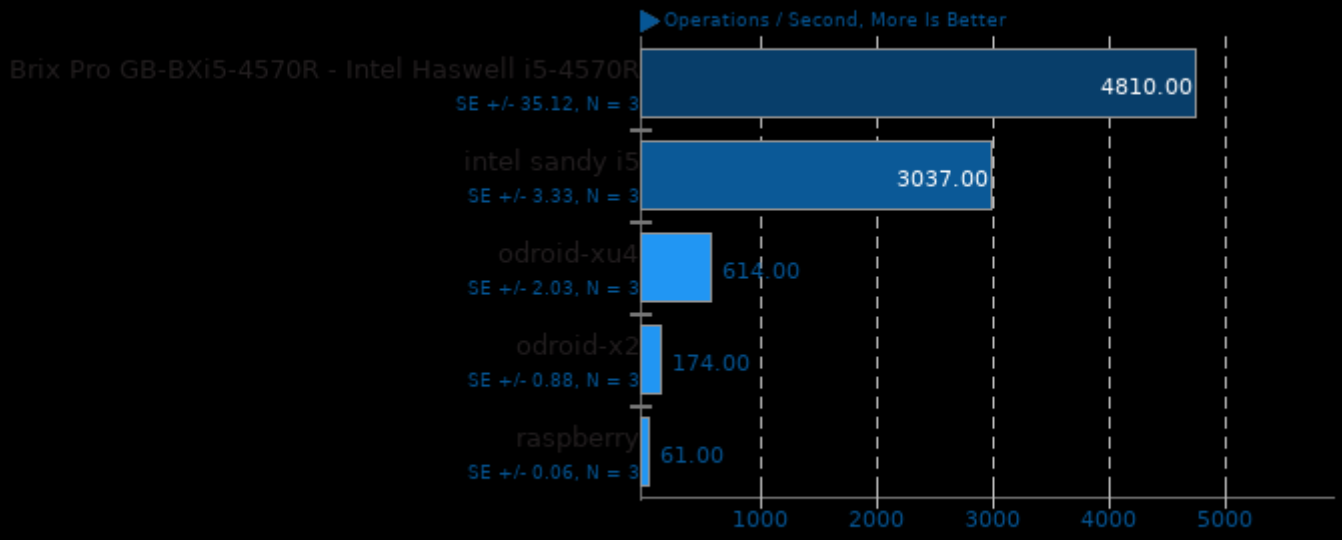

RAMspeed SMP 3.5.0
Type: Average - Benchmark: Integer
MB/s, More Is Better
Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R
19783.72
AMD Radeon HD 8500M - Intel Core i5-3317U
13175.06
intel sandy i5
11161.36
odroid-xu4
4446.20
odroid-x2
2148.90
raspberry
197.73
4K
8K
12K
16K
20K
RAMspeed SMP 3.5.0
Type: Add - Benchmark: Floating Point
MB/s, More Is Better
Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R
17406.22
AMD Radeon HD 8500M - Intel Core i5-3317U
14993.37
intel sandy i5
12549.62
odroid-xu4
4532.93
odroid-x2
1796.20
raspberry
191.38
4K
8K
12K
16K
20K


RAMspeed SMP 3.5.0
Type: Copy - Benchmark: Floating Point
MB/s, More Is Better
Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R
22089.79
AMD Radeon HD 8500M - Intel Core i5-3317U
13290.63
intel sandy i5
11031.77
odroid-xu4
5059.96
odroid-x2
2216.48
raspberry
241.79
5K
10K
15K
20K
25K
RAMspeed SMP 3.5.0
Type: Scale - Benchmark: Floating Point
MB/s, More Is Better
Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R
19982.32
AMD Radeon HD 8500M - Intel Core i5-3317U
13235.04
intel sandy i5
11235.64
odroid-xu4
4926.91
odroid-x2
2637.45
raspberry
214.00
4K
8K
12K
16K
20K


RAMspeed SMP 3.5.0
Type: Triad - Benchmark: Floating Point
MB/s, More Is Better
Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R
17142.34
AMD Radeon HD 8500M - Intel Core i5-3317U
15009.88
intel sandy i5
12729.17
odroid-xu4
4430.07
odroid-x2
1847.63
raspberry
191.27
4K
8K
12K
16K
20K
RAMspeed SMP 3.5.0
Type: Average - Benchmark: Floating Point
MB/s, More Is Better
Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R
19242.80
AMD Radeon HD 8500M - Intel Core i5-3317U
14143.14
intel sandy i5
11892.81
odroid-xu4
4727.71
odroid-x2
2150.30
raspberry
209.55
4K
8K
12K
16K
20K

x11perf 1.5

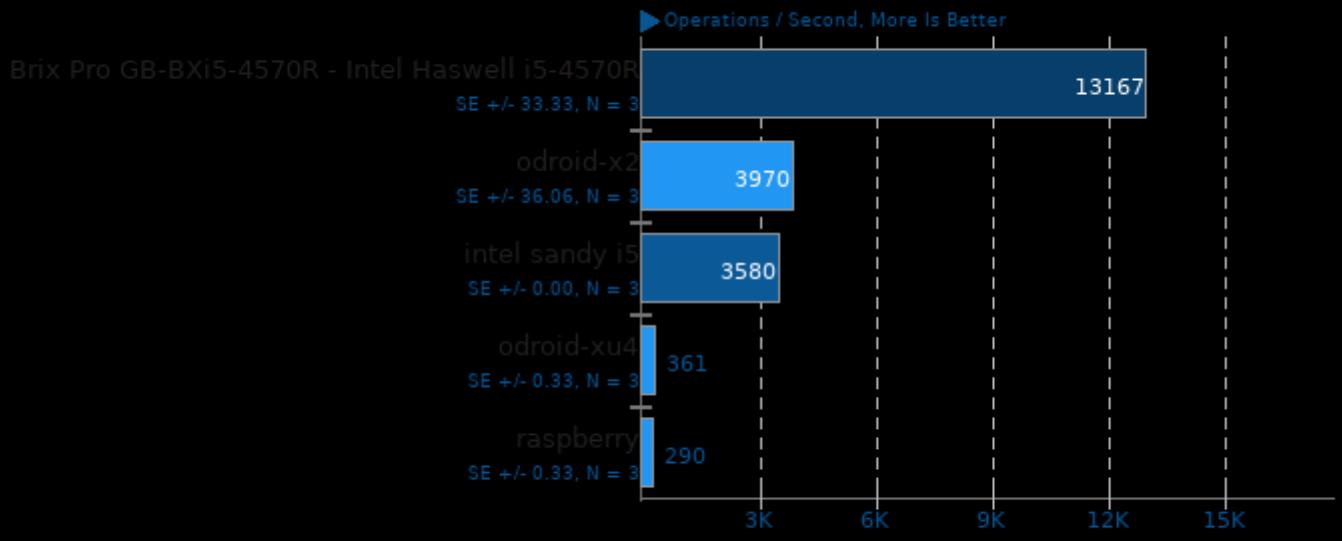
Test: 500px PutImage Square



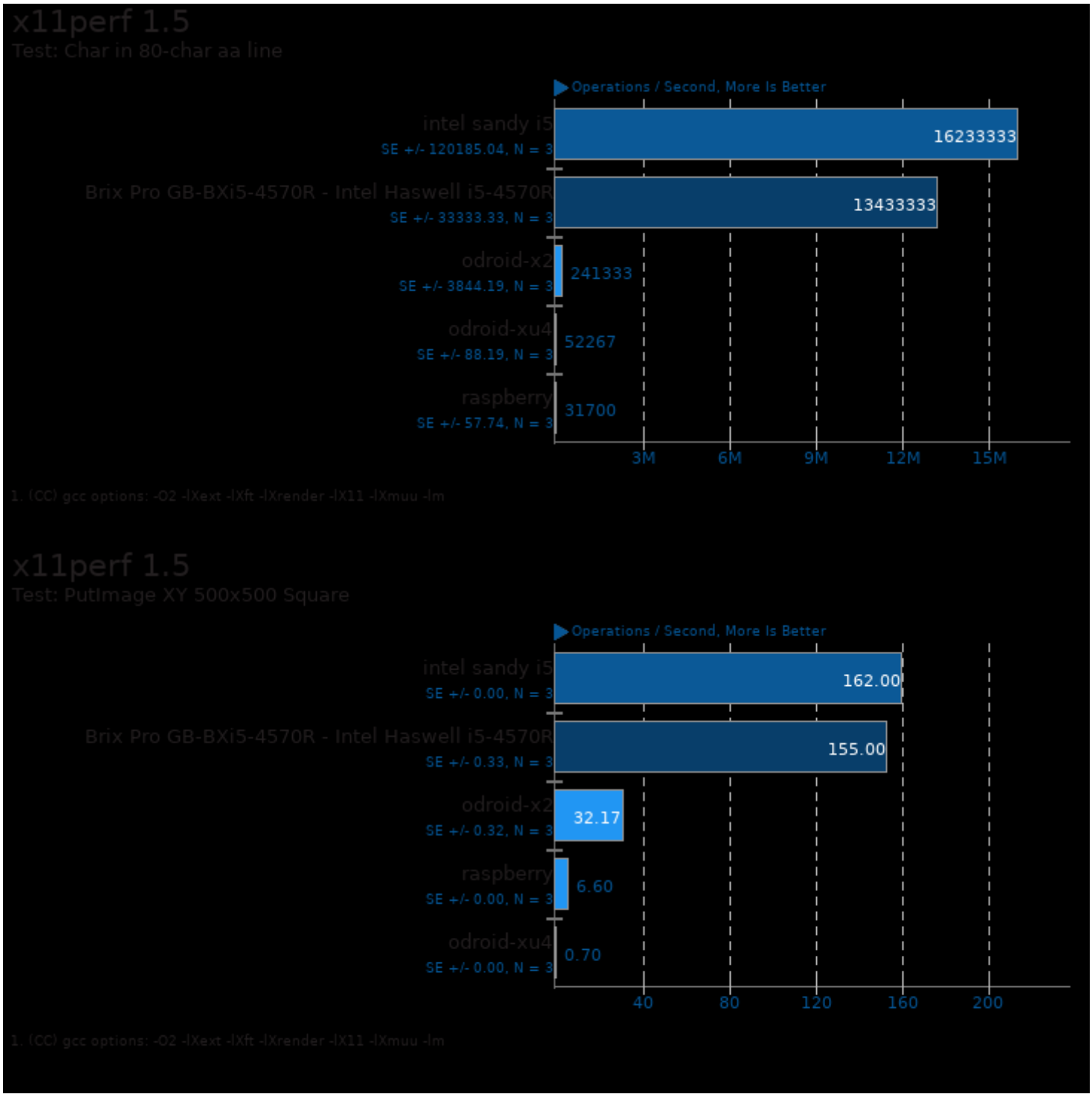
1. (CC) gcc options: -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm

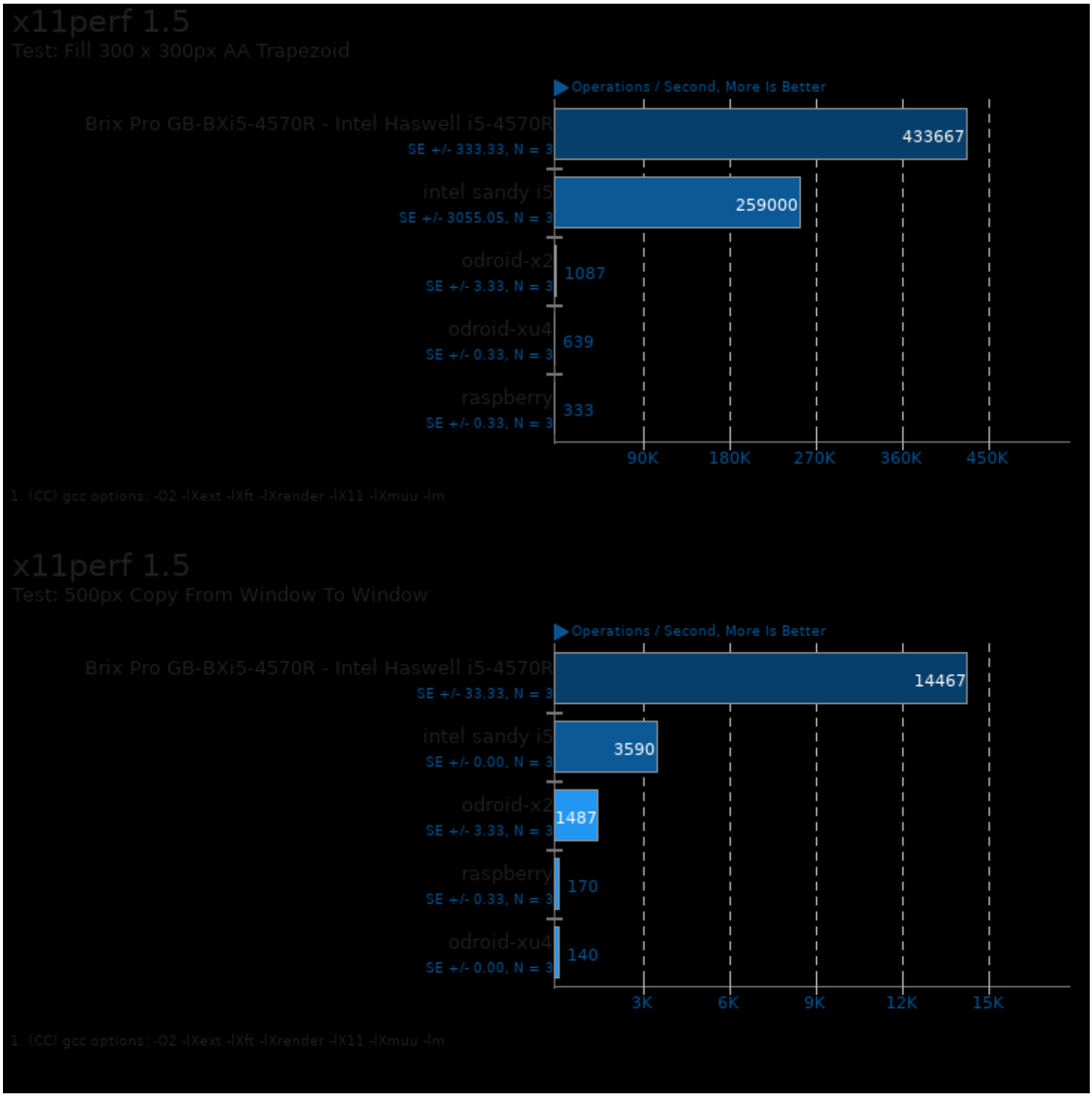
x11perf 1.5

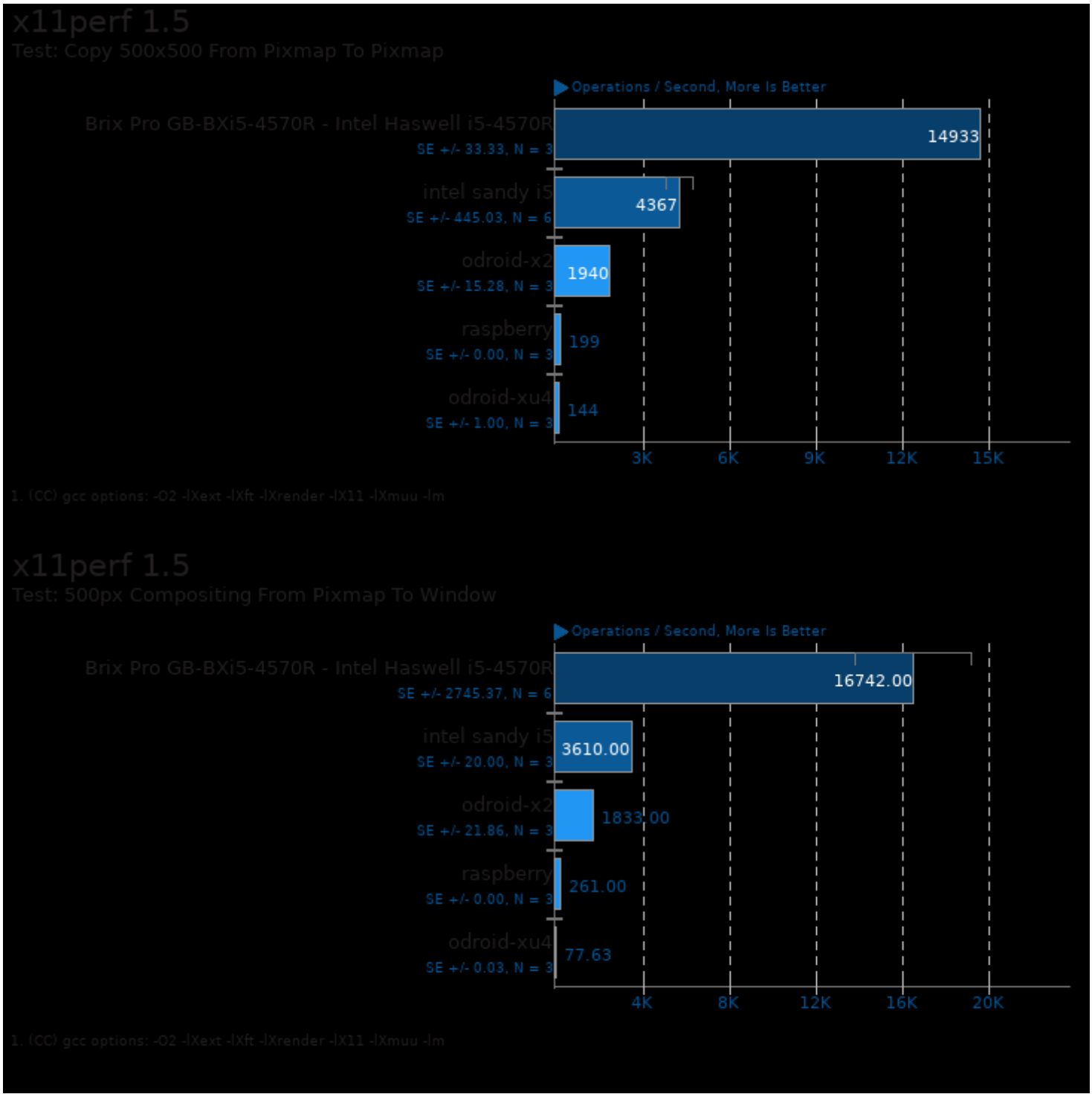
Test: Scrolling 500 x 500 px



1. (CC) gcc options: -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm

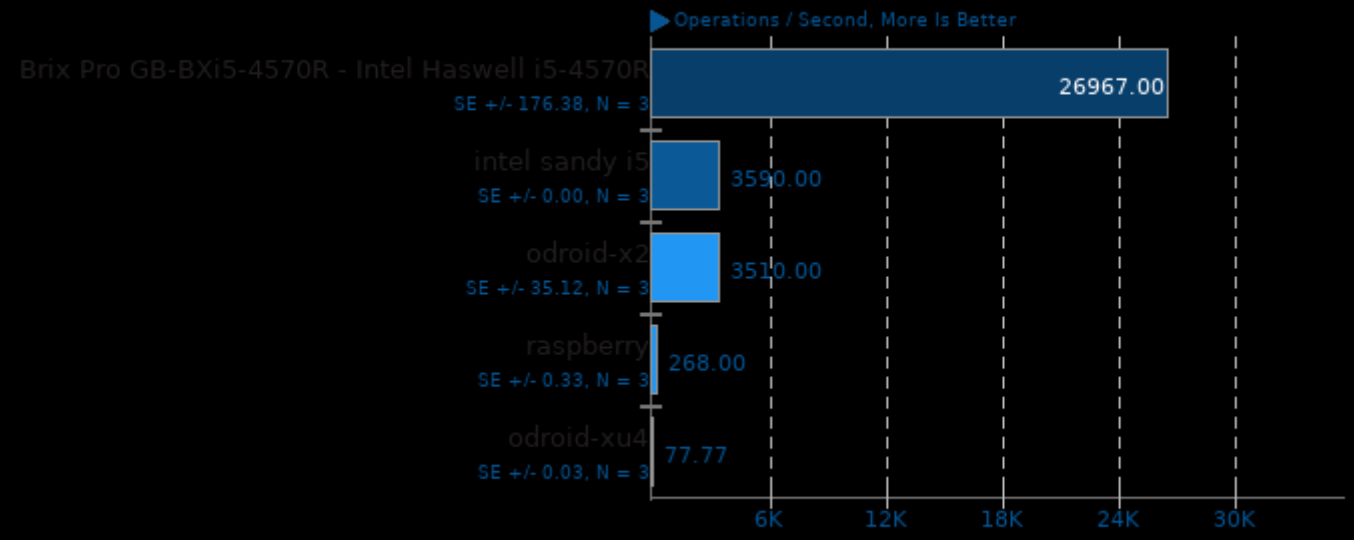

x11perf 1.5
Test: Char in 80-char aa line
Operations / Second, More Is Better
intel sandy i5
SE +/- 120185.04, N = 3
16233333
Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R
SE +/- 33333.33, N = 3
13433333
odroid-x2
SE +/- 3844.19, N = 3
241333
odroid-xu4
SE +/- 88.19, N = 3
52267
raspberry
SE +/- 57.74, N = 3
31700
3M
6M
9M
12M
15M
1. (CC) gcc options: -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm
x11perf 1.5
Test: PutImage XY 500x500 Square
Operations / Second, More Is Better
intel sandy i5
SE +/- 0.00, N = 3
162.00
Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R
SE +/- 0.33, N = 3
155.00
odroid-x2
SE +/- 0.32, N = 3
32.17
raspberry
SE +/- 0.00, N = 3
6.60
odroid-xu4
SE +/- 0.00, N = 3
0.70
40
80
120
160
200
1. (CC) gcc options: -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm


x11perf 1.5
Test: Fill 300 x 300px AA Trapezoid
Operations / Second, More Is Better
Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R
SE +/- 333.33, N = 3
433667
intel sandy i5
SE +/- 3055.05, N = 3
259000
odroid-x2
SE +/- 3.33, N = 3
1087
odroid-xu4
SE +/- 0.33, N = 3
639
raspberry
SE +/- 0.33, N = 3
333
90K
180K
270K
360K
450K
1. (CC) gcc options: -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm
x11perf 1.5
Test: 500px Copy From Window To Window
Operations / Second, More Is Better
Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R
SE +/- 33.33, N = 3
14467
intel sandy i5
SE +/- 0.00, N = 3
3590
odroid-x2
SE +/- 3.33, N = 3
1487
raspberry
SE +/- 0.33, N = 3
170
odroid-xu4
SE +/- 0.00, N = 3
140
3K
6K
9K
12K
15K
1. (CC) gcc options: -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm


x11perf 1.5
Test: Copy 500x500 From Pixmap To Pixmap
Operations / Second, More Is Better
Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R
SE +/- 33.33, N = 3
14933
intel sandy i5
SE +/- 445.03, N = 6
4367
odroid-x2
SE +/- 15.28, N = 3
1940
raspberry
SE +/- 0.00, N = 3
199
odroid-xu4
SE +/- 1.00, N = 3
144
3K
6K
9K
12K
15K
1. (CC) gcc options: -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm
x11perf 1.5
Test: 500px Compositing From Pixmap To Window
Operations / Second, More Is Better
Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R
SE +/- 2745.37, N = 6
16742.00
intel sandy i5
SE +/- 20.00, N = 3
3610.00
odroid-x2
SE +/- 21.86, N = 3
1833.00
raspberry
SE +/- 0.00, N = 3
261.00
odroid-xu4
SE +/- 0.03, N = 3
77.63
4K
8K
12K
16K
20K
1. (CC) gcc options: -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm

x11perf 1.5

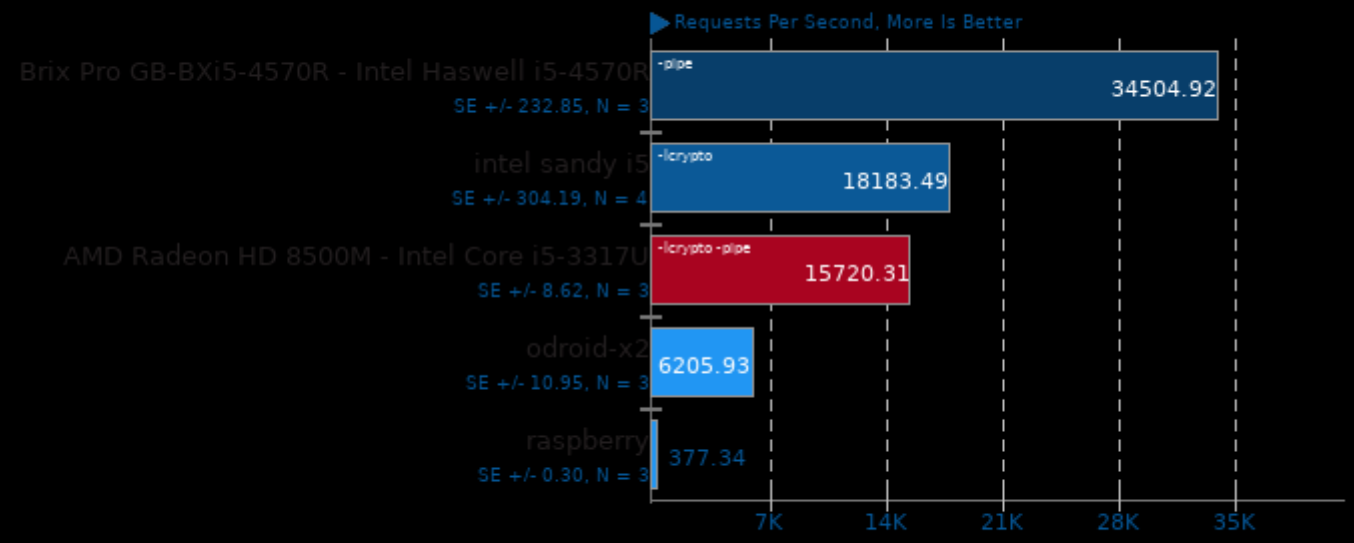
Test: 500px Compositing From Window To Window



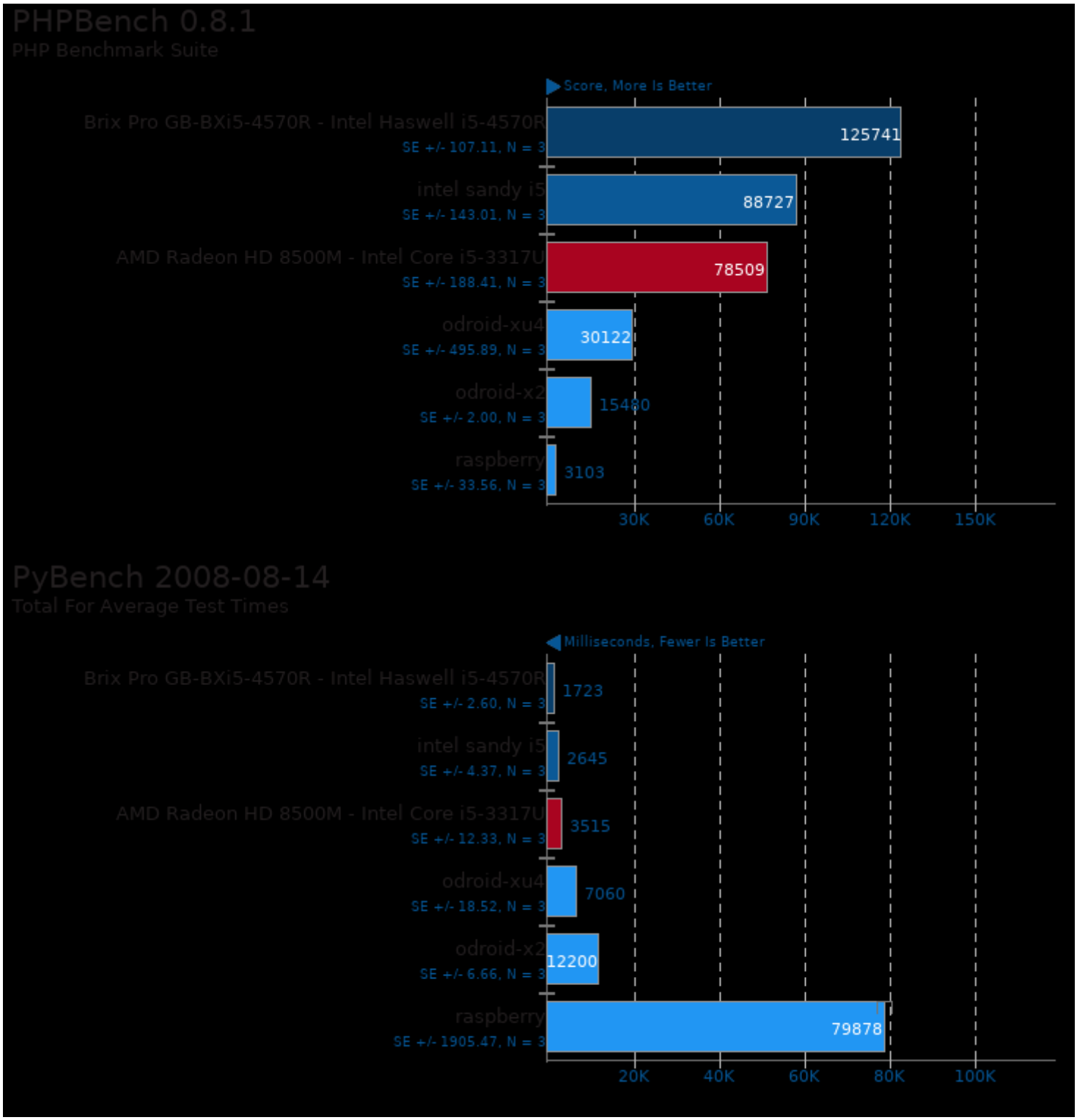
1. (CC) gcc options: -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm

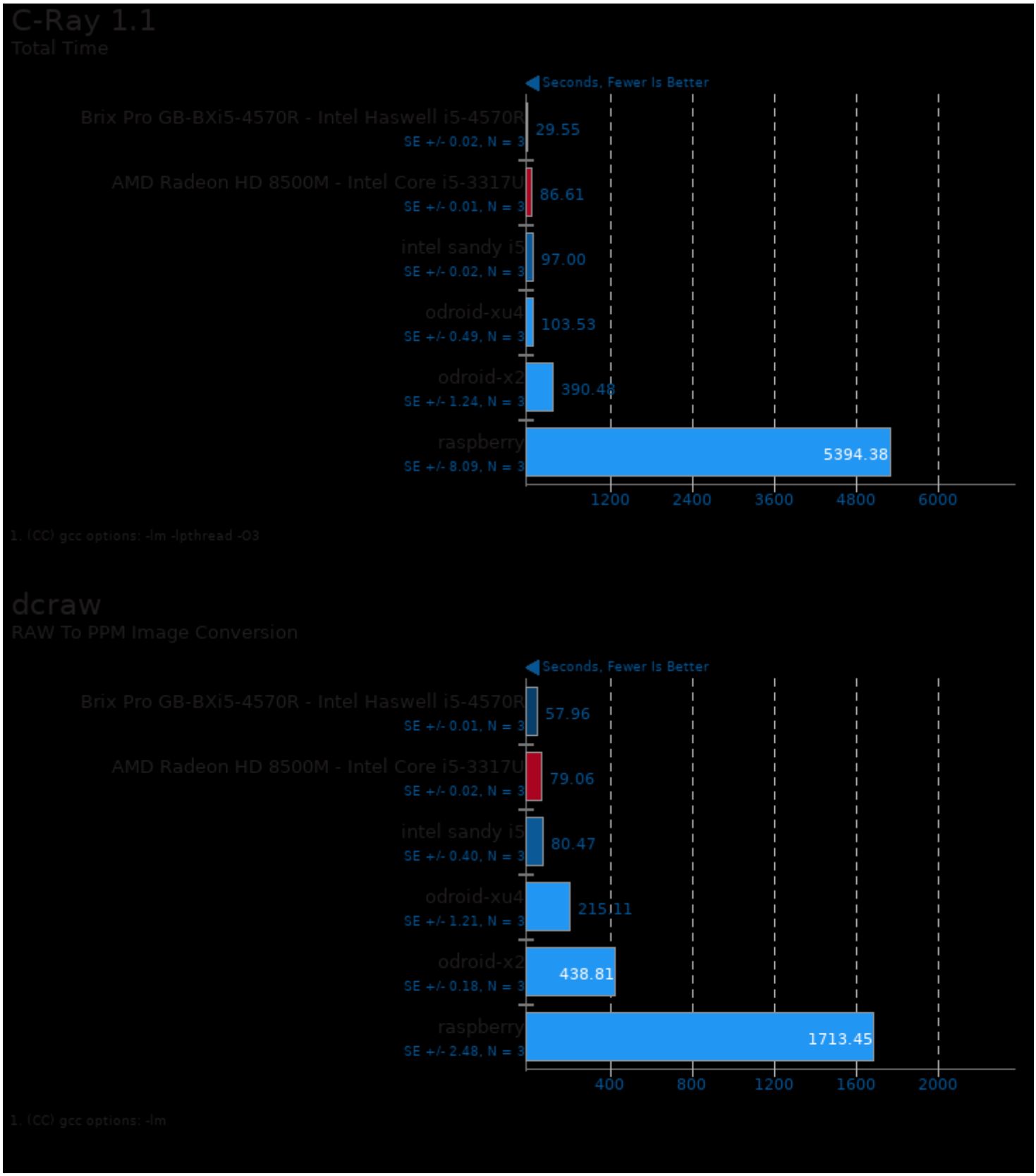
NGINX Benchmark 1.0.11

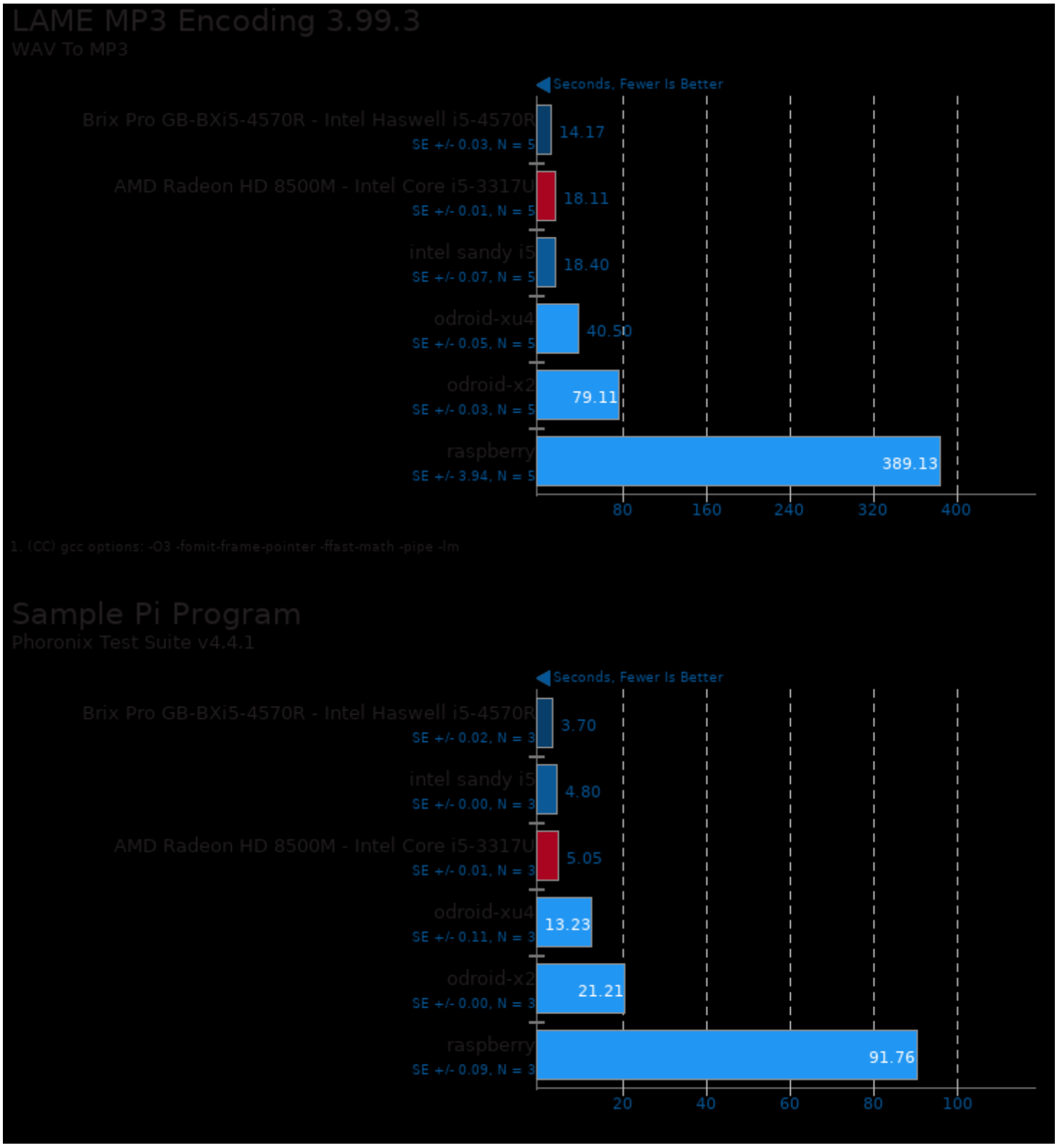
Static Web Page Serving



1. (CC) gcc options: -lpthread -lcrypt -lz

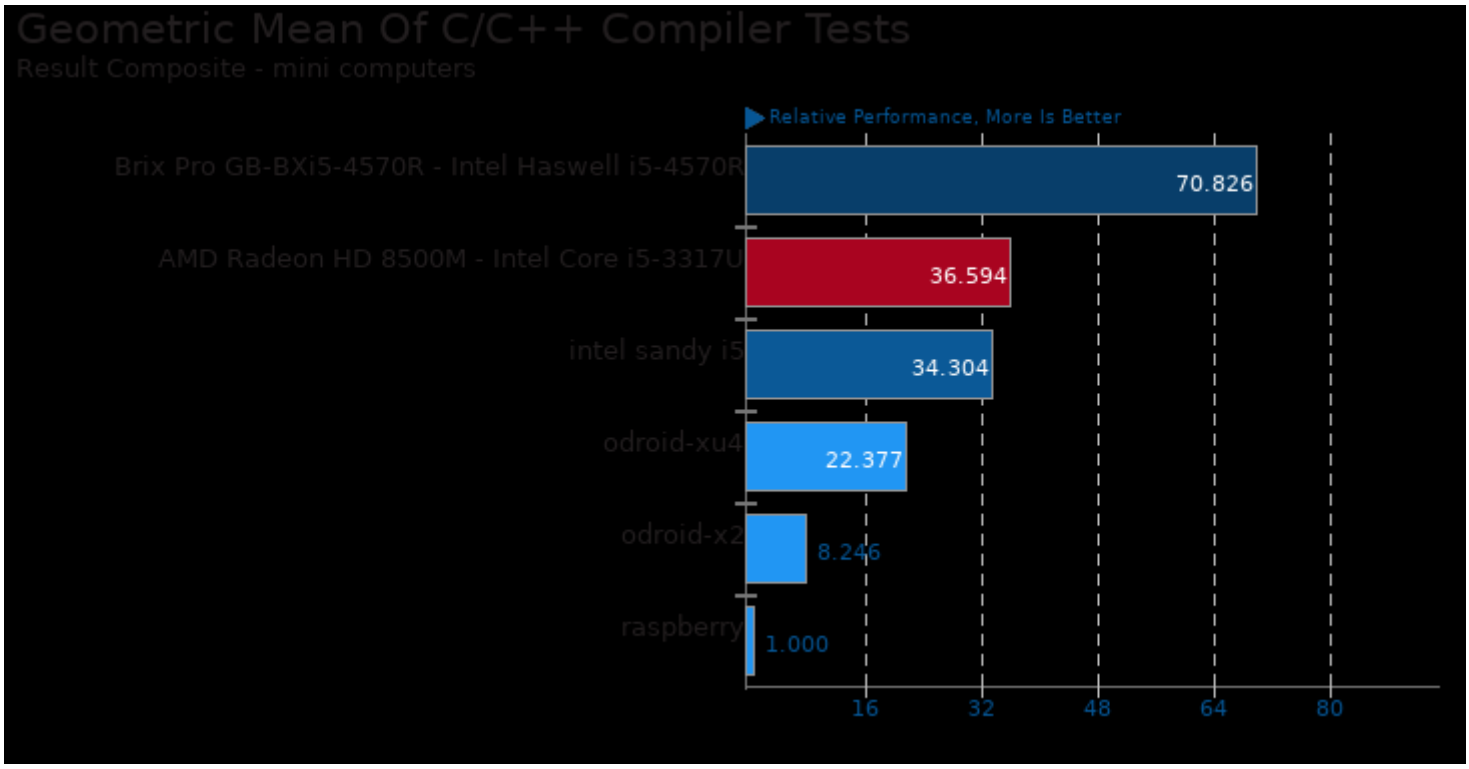

PHPBench 0.8.1
PHP Benchmark Suite
Score, More Is Better
Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R
SE +/- 107.11, N = 3
125741
intel sandy i5
SE +/- 143.01, N = 3
88727
AMD Radeon HD 8500M - Intel Core i5-3317U
SE +/- 188.41, N = 3
78509
odroid-xu4
SE +/- 495.89, N = 3
30122
odroid-x2
SE +/- 2.00, N = 3
15480
raspberry
SE +/- 33.56, N = 3
3103
30K
60K
90K
120K
150K
PyBench 2008-08-14
Total For Average Test Times
Milliseconds, Fewer Is Better
Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R
SE +/- 2.60, N = 3
1723
intel sandy i5
SE +/- 4.37, N = 3
2645
AMD Radeon HD 8500M - Intel Core i5-3317U
SE +/- 12.33, N = 3
3515
odroid-xu4
SE +/- 18.52, N = 3
7060
odroid-x2
SE +/- 6.66, N = 3
12200
raspberry
SE +/- 1905.47, N = 3
79878
20K
40K
60K
80K
100K


C-Ray 1.1
Total Time
Seconds, Fewer Is Better
Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R
SE +/- 0.02, N = 3
29.55
AMD Radeon HD 8500M - Intel Core i5-3317U
SE +/- 0.01, N = 3
86.61
intel sandy i5
SE +/- 0.02, N = 3
97.00
odroid-xu4
SE +/- 0.49, N = 3
103.53
odroid-x2
SE +/- 1.24, N = 3
390.48
raspberry
SE +/- 8.09, N = 3
5394.38
1200
2400
3600
4800
6000
1. (CC) gcc options: -lm -lpthread -O3
dcraw
RAW To PPM Image Conversion
Seconds, Fewer Is Better
Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R
SE +/- 0.01, N = 3
57.96
AMD Radeon HD 8500M - Intel Core i5-3317U
SE +/- 0.02, N = 3
79.06
intel sandy i5
SE +/- 0.40, N = 3
80.47
odroid-xu4
SE +/- 1.21, N = 3
215.11
odroid-x2
SE +/- 0.18, N = 3
438.81
raspberry
SE +/- 2.48, N = 3
1713.45
400
800
1200
1600
2000
1. (CC) gcc options: -lm

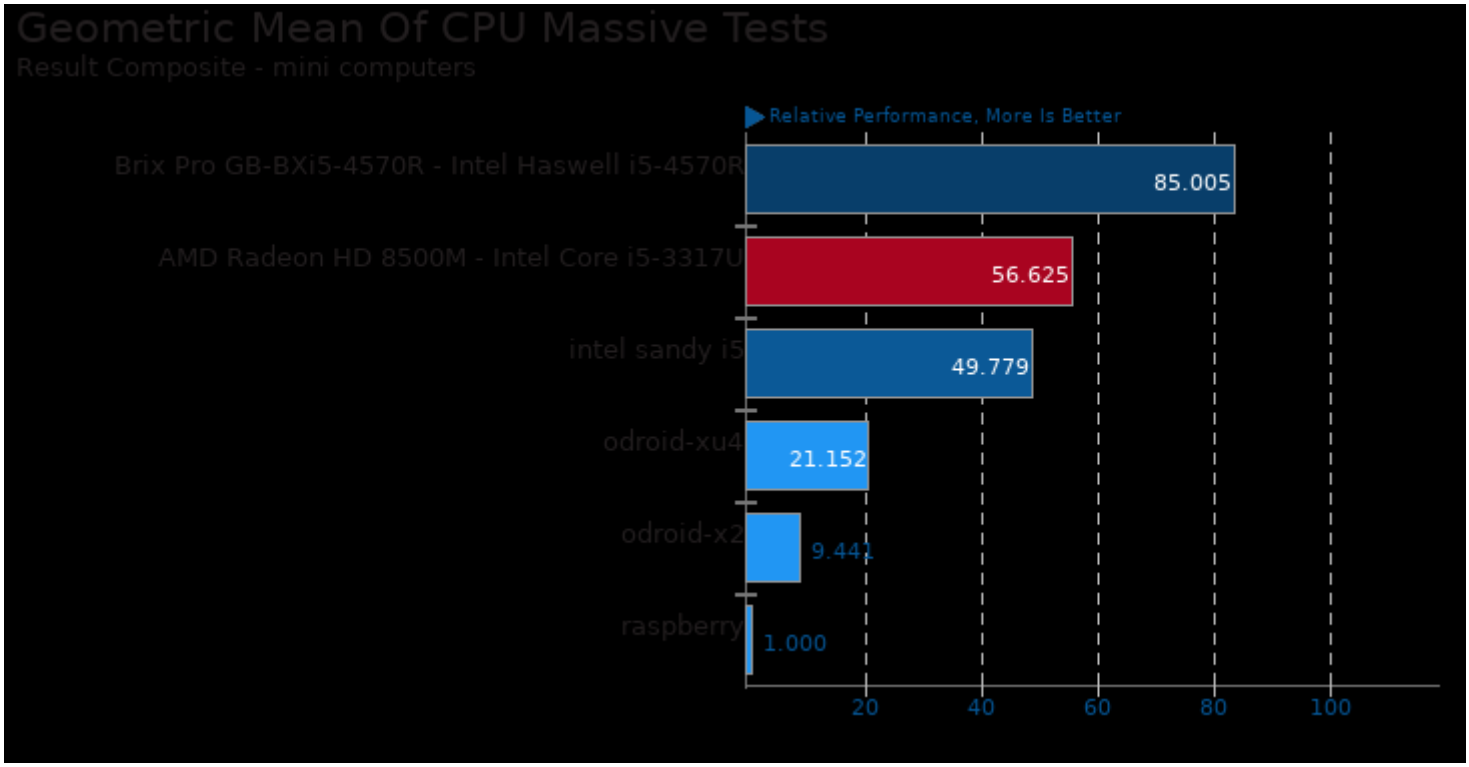

LAME MP3 Encoding 3.99.3
WAV To MP3
Seconds, Fewer Is Better
Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R
SE +/- 0.03, N = 5
14.17
AMD Radeon HD 8500M - Intel Core i5-3317U
SE +/- 0.01, N = 5
18.11
intel sandy i5
SE +/- 0.07, N = 5
18.40
odroid-xu4
SE +/- 0.05, N = 5
40.50
odroid-x2
SE +/- 0.03, N = 5
79.11
raspberry
SE +/- 3.94, N = 5
389.13
80
160
240
320
400
1. (CC) gcc options: -O3 -fomit-frame-pointer -ffast-math -pipe -lm
Sample Pi Program
Phoronix Test Suite v4.4.1
Seconds, Fewer Is Better
Brix Pro GB-BXi5-4570R - Intel Haswell i5-4570R
SE +/- 0.02, N = 3
3.70
intel sandy i5
SE +/- 0.00, N = 3
4.80
AMD Radeon HD 8500M - Intel Core i5-3317U
SE +/- 0.01, N = 3
5.05
odroid-xu4
SE +/- 0.11, N = 3
13.23
odroid-x2
SE +/- 0.00, N = 3
21.21
raspberry
SE +/- 0.09, N = 3
91.76
20
40
60
80
100

mini computers

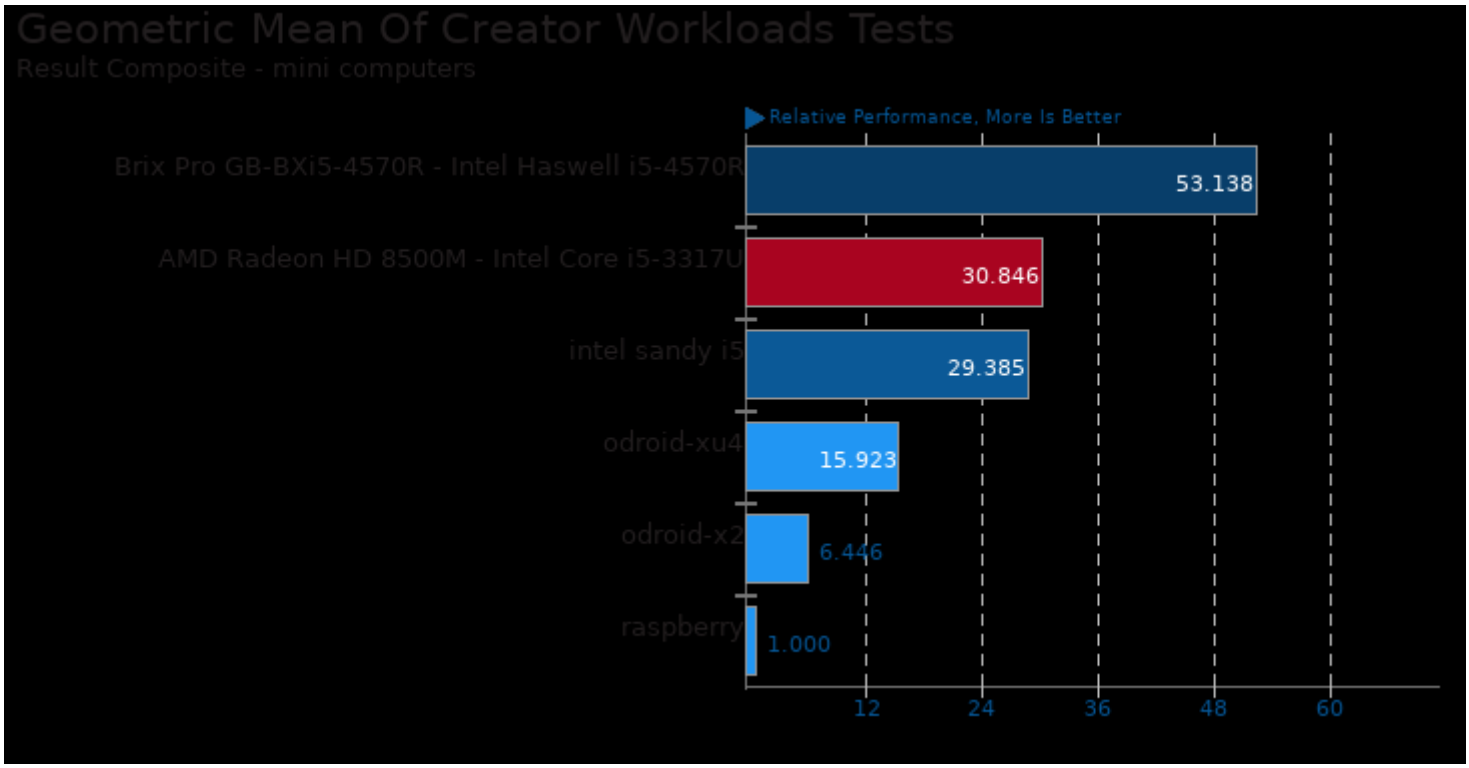
These geometric means are based upon test groupings / test suites for this result file.



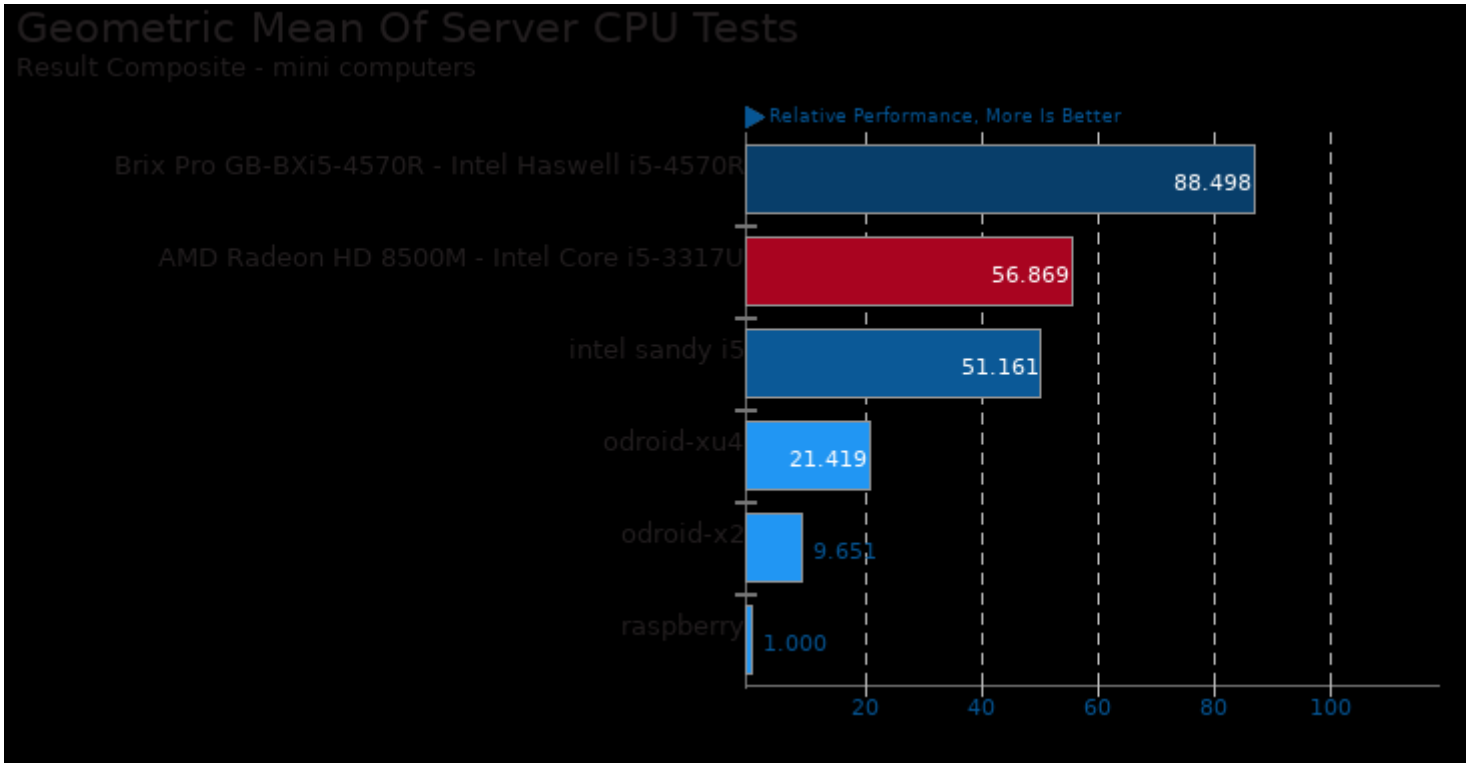
Geometric mean based upon tests: pts/c-ray, pts/encode-mp3 and pts/nginx



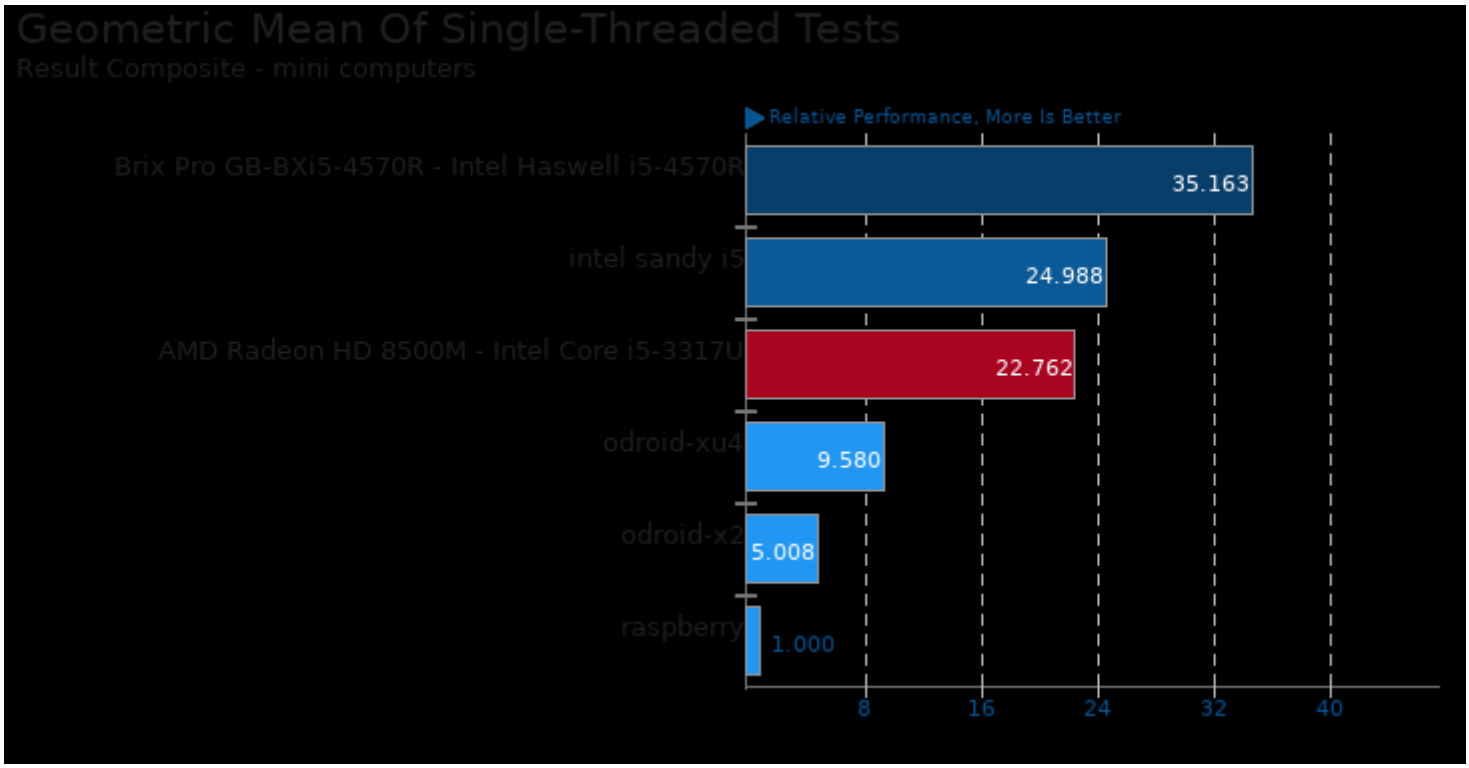
Geometric mean based upon tests: pts/c-ray, pts/encode-mp3, pts/nginx, pts/phpbench and pts/ramspeed



Geometric mean based upon tests: pts/c-ray, pts/encode-mp3 and pts/dcraw



Geometric mean based upon tests: pts/c-ray, pts/pybench, pts/phpbench and pts/ramspeed



Geometric mean based upon tests: pts/dcraw, pts/encode-mp3, pts/pybench, pts/phpbench and pts/nginx

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 08:16.