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ARMv8 Cortex-A72 testing with a Waters IGX8QM Orion and imx-drmdrmfb on waters-orion-xwayland 5.4-zeus via the Phoronix Test Suite.

Automated Executive Summary

Western Digital PC SN530 SDBPMPZ-512G had the most wins, coming in first place for 54% of the tests.

Based on the geometric mean of all complete results, the fastest (Western Digital PC SN530 SDBPMPZ-512G) was 1.575x the speed of the slowest (suitcase). fiomek was 0.786x the speed of Western Digital PC SN530 SDBPMPZ-512G, suitcase_fio was 0.979x the speed of fiomek, suitcase was 0.825x the speed of suitcase_fio.

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

Flexible IO Tester (Type: Random Read - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home) at 1.969x
Flexible IO Tester (Type: Random Read - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home) at 1.967x
Flexible IO Tester (Type: Sequential Write - Engine: Sync - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home) at 1.922x
Flexible IO Tester (Type: Sequential Write - Engine: Sync - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home) at 1.915x

Flexible IO Tester (Type: Random Write - Engine: Sync - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home) at 1.9x
Flexible IO Tester (Type: Random Write - Engine: Sync - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home) at 1.879x
Flexible IO Tester (Type: Random Read - Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home) at 1.854x
Flexible IO Tester (Type: Random Read - Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home) at 1.853x
Flexible IO Tester (Type: Random Write - Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home) at 1.843x
Flexible IO Tester (Type: Random Write - Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home) at 1.841x.

Test Systems:

Western Digital PC SN530 SDBPMPZ-512G

Processor: ARMv8 Cortex-A72 @ 1.20GHz (6 Cores), Motherboard: Waters IGX8QM Orion, Memory: 6144MB, Disk: 512GB Western Digital PC SN530 SDBPMPZ-512G + 31GB TX2932 + 32GB SS32G + 31GB SD32G, Graphics: imx-drmdrmfb

OS: waters-orion-xwayland 5.4-zeus, Kernel: 5.4.70-2.3.0+g4f2631b022d8 (aarch64), Display Server: Wayland Weston 9.0.0 + X Server, Vulkan: 1.1.82, Compiler: GCC 9.2.0, File-System: ext4, Screen Resolution: 1280x800

Compiler Notes: --bindir=/usr/bin --build=x86_64-linux --datadir=/usr/share --disable-bootstrap --disable-dependency-tracking --disable-libmudflap --disable-libssp --disable-silent-rules --disable-static --enable-__cxa_atexit --enable-c99 --enable-cheaders=c_global --enable-checking=release --enable-default-pie --enable-initfini-array --enable-languages=c,c++ --enable-libitm --enable-libstdcxx-pch --enable-long-long --enable-lto --enable-multilib --enable-nls --enable-shared --enable-symvers=gnu --enable-threads=posix --exec_prefix=/usr --host=aarch64-poky-linux --includedir=/usr/include --localstatedir=/var --mandir=/usr/share/man --oldincludedir=/usr/include --program-prefix=aarch64-poky-linux- --sbindir=/usr/sbin --sharedstatedir=/com --sysconfdir=/etc --target=aarch64-poky-linux --with-build-sysroot=/ --with-glibc-version=2.28 --with-gnu-ld --with-libtool-sysroot=/ --with-linker-hash-style=gnu --with-ppl=no --without-isl --without-local-prefix
Disk Notes: NONE / relatime,rw
Processor Notes: Scaling Governor: cpufreq-dt schedutil
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Not affected + spectre_v1: Mitigation of __user pointer sanitization + spectre_v2: Mitigation of Branch predictor hardening + srbds: Not affected + tsx_async_abort: Not affected

fiomek

Processor: ARMv8 Cortex-A72 @ 1.20GHz (6 Cores), Motherboard: Freescale i.MX8QM MEK, Memory: 6144MB, Disk: 512GB MTFDHBK512TDP + 31GB R1J57L + 31GB SD32G, Graphics: imx-drmdrmfb, Monitor: ELO ET1002L

OS: waters-orion-xwayland 5.4-zeus, Kernel: 5.4.70-2.3.0+g4f2631b022d8 (aarch64), Display Server: Wayland Weston 9.0.0 + X Server, Vulkan: 1.1.82, Compiler: GCC 9.2.0, File-System: ext4, Screen Resolution: 1280x800

Compiler Notes: --bindir=/usr/bin --build=x86_64-linux --datadir=/usr/share --disable-bootstrap --disable-dependency-tracking --disable-libmudflap --disable-libssp --disable-silent-rules --disable-static --enable-__cxa_atexit --enable-c99 --enable-cheaders=c_global --enable-checking=release --enable-default-pie --enable-initfini-array --enable-languages=c,c++ --enable-libitm --enable-libstdcxx-pch --enable-long-long --enable-lto --enable-multilib --enable-nls --enable-shared --enable-symvers=gnu --enable-threads=posix --exec_prefix=/usr --host=aarch64-poky-linux --includedir=/usr/include --localstatedir=/var --mandir=/usr/share/man --oldincludedir=/usr/include --program-prefix=aarch64-poky-linux- --sbindir=/usr/sbin --sharedstatedir=/com --sysconfdir=/etc --target=aarch64-poky-linux --with-build-sysroot=/ --with-glibc-version=2.28 --with-gnu-ld --with-libtool-sysroot=/ --with-linker-hash-style=gnu --with-ppl=no --without-isl --without-local-prefix
Disk Notes: NONE / relatime,rw
Processor Notes: Scaling Governor: cpufreq-dt schedutil
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Not affected + spectre_v1: Mitigation of __user pointer sanitization + spectre_v2: Mitigation of Branch predictor hardening + srbds: Not affected + tsx_async_abort: Not affected

suitcase

suitcase_fio

Processor: ARMv8 Cortex-A72 @ 1.20GHz (6 Cores), Motherboard: Waters IGX8QM Orion, Memory: 6144MB, Disk: 512GB KINGSTON OM3PDP3512B-A01 + 31GB TX2932, Graphics: imx-drmdrmfb

OS: waters-orion-xwayland 5.4-zeus, Kernel: 5.4.70-2.3.0+g4f2631b022d8 (aarch64), Display Server: Wayland Weston 9.0.0 + X Server, Vulkan: 1.1.82, Compiler: GCC 9.2.0, File-System: ext4, Screen Resolution: 1280x800

Compiler Notes: --bindir=/usr/bin --build=x86_64-linux --datadir=/usr/share --disable-bootstrap --disable-dependency-tracking --disable-libmudflap --disable-libssp --disable-silent-rules --disable-static --enable-__cxa_atexit --enable-c99 --enable-cheaders=c_global --enable-checking=release --enable-default-pie --enable-initfini-array --enable-languages=c,c++ --enable-libitm --enable-libstdcxx-pch --enable-long-long --enable-lto --enable-multilib --enable-nls --enable-shared --enable-symvers=gnu --enable-threads=posix --exec_prefix=/usr --host=aarch64-poky-linux --includedir=/usr/include --localstatedir=/var --mandir=/usr/share/man --oldincludedir=/usr/include --program-prefix=aarch64-poky-linux- --sbindir=/usr/sbin --sharedstatedir=/com --sysconfdir=/etc --target=aarch64-poky-linux --with-build-sysroot=/ --with-glibc-version=2.28 --with-gnu-ld --with-libtool-sysroot=/ --with-linker-hash-style=gnu --with-ppl=no --without-isl --without-local-prefix
Disk Notes: NONE / relatime,rw
Processor Notes: Scaling Governor: cpufreq-dt schedutil
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Not affected + spectre_v1: Mitigation of __user pointer sanitization + spectre_v2: Mitigation of Branch predictor hardening + srbds: Not affected + tsx_async_abort: Not affected

	Western Digital PC SN530 SDBPMPZ-512G	fiomek	suitcase	suitcase_fio
Flexible IO Tester - Rand Read - Sync - No - No - 16KB - /export/ispp/home (MB/s)	**109**	**61.44**	68.60	65.37
Normalized	100%	56.37%	62.94%	59.97%
Standard Deviation	2.7%	6.1%	2%	1%
Flexible IO Tester - Rand Read - Sync - No - No - 16KB - /export/ispp/home (IOPS)	**6970**	**3931**	4388	4184
Normalized	100%	56.4%	62.96%	60.03%
Standard Deviation	2.7%	6.1%	2%	1%
Flexible IO Tester - Rand Read - Sync - No - Yes - 16KB - /export/ispp/home (MB/s)	**108**	**61.83**	66.73	65.43
Normalized	100%	57.25%	61.79%	60.58%
Standard Deviation		1.8%	2.6%	0.8%
Flexible IO Tester - Rand Read - Sync - No - Yes - 16KB - /export/ispp/home (IOPS)	**6900**	**3957**	4272	4189
Normalized	100%	57.35%	61.91%	60.71%
Standard Deviation	0.2%	1.7%	2.5%	0.8%
Flexible IO Tester - Rand Read - Sync - Yes - No - 16KB - /export/ispp/home (MB/s)	**91.07**	**54.88**	59.90	57.90
Normalized	100%	60.26%	65.77%	63.58%
Standard Deviation	2.8%	4.6%	3%	1.5%

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Flexible IO Tester - Rand Read - Sync - Yes - No - 16KB - /export/ispp/home (IOPS)	**5848**	**3516**	3847	3705
Normalized	100%	60.12%	65.78%	63.35%
Standard Deviation	2.4%	4.4%	3.5%	1.5%
Flexible IO Tester - Rand Write - Sync - No - No - 16KB - /export/ispp/home (MB/s)	213	**118**	**214**	211
Normalized	99.53%	55.14%	100%	98.6%
Standard Deviation	2.8%	1.5%	2.7%	2.7%
Flexible IO Tester - Rand Write - Sync - No - No - 16KB - /export/ispp/home (IOPS)	13240	**7562**	13425	**13525**
Normalized	97.89%	55.91%	99.26%	100%
Standard Deviation	2.2%	1.7%	3%	2.9%
Flexible IO Tester - Rand Read - Sync - Yes - Yes - 16KB - /export/ispp/home (MB/s)	**83.50**	50.13	52.10	**49.63**
Normalized	100%	60.04%	62.4%	59.44%
Standard Deviation	1%	7.6%	2.1%	2%
Flexible IO Tester - Rand Read - Sync - Yes - Yes - 16KB - /export/ispp/home (IOPS)	**5344**	3220	3333	**3178**
Normalized	100%	60.25%	62.37%	59.47%
Standard Deviation	1%	7.3%	2.2%	2%
Flexible IO Tester - Rand Write - Sync - No - Yes - 16KB - /export/ispp/home (MB/s)	207	**110**	**209**	205
Normalized	99.04%	52.63%	100%	98.09%
Standard Deviation	2.9%	2.9%	2.9%	3.2%
Flexible IO Tester - Rand Write - Sync - No - Yes - 16KB - /export/ispp/home (IOPS)	**13280**	**7068**	13163	13120
Normalized	100%	53.22%	99.12%	98.8%
Standard Deviation	2.8%	3.1%	4.3%	3.2%
Flexible IO Tester - Rand Write - Sync - Yes - No - 16KB - /export/ispp/home (MB/s)	225	223	**228**	**216**
Normalized	98.68%	97.81%	100%	94.74%
Standard Deviation	1.1%		2.8%	2.8%
Flexible IO Tester - Rand Write - Sync - Yes - No - 16KB - /export/ispp/home (IOPS)	14367	14233	**14600**	**13800**
Normalized	98.4%	97.49%	100%	94.52%
Standard Deviation	1.1%	1.8%	2.8%	2.6%
Flexible IO Tester - Rand Write - Sync - Yes - Yes - 16KB - /export/ispp/home (MB/s)	224	**231**	225	**216**
Normalized	96.97%	100%	97.4%	93.51%
Standard Deviation	2.4%		3.8%	3%

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Flexible IO Tester - Rand Write - Sync - Yes - Yes - 16KB - /export/ispp/home (IOPS)	14333	**14667**	14393	**13833**
Normalized	97.72%	100%	98.13%	94.31%
Standard Deviation	2.6%	3.4%	3.8%	2.9%
Flexible IO Tester - Rand Read - IO_uring - No - No - 16KB - /export/ispp/home (MB/s)	98.96	**99.99**	**30.03**	71.03
Normalized	98.97%	100%	30.03%	71.04%
Standard Deviation	31.4%	33.1%	105.3%	64.2%
Flexible IO Tester - Rand Read - IO_uring - No - No - 16KB - /export/ispp/home (IOPS)	8431	**8539**	**2567**	6068
Normalized	98.74%	100%	30.06%	71.06%
Standard Deviation	31.4%	33.2%	105.3%	64.2%
Flexible IO Tester - Seq Read - Sync - No - No - 16KB - /export/ispp/home (MB/s)	**173**	**114**	151	144
Normalized	100%	65.9%	87.28%	83.24%
Standard Deviation	2.3%	0.5%	0.8%	0.4%
Flexible IO Tester - Seq Read - Sync - No - No - 16KB - /export/ispp/home (IOPS)	**10700**	**7318**	9689	9181
Normalized	100%	68.39%	90.55%	85.8%
Standard Deviation	6.1%	0.4%	1.1%	0.6%
Flexible IO Tester - Rand Read - IO_uring - No - Yes - 16KB - /export/ispp/home (MB/s)	107	**112**	**19.70**	68.67
Normalized	95.54%	100%	17.59%	61.31%
Standard Deviation		12.3%	0%	69.6%
Flexible IO Tester - Rand Read - IO_uring - No - Yes - 16KB - /export/ispp/home (IOPS)	9142	**9528**	**1684**	5869
Normalized	95.95%	100%	17.67%	61.6%
Standard Deviation		12.5%		69.6%
Flexible IO Tester - Rand Read - IO_uring - Yes - No - 16KB - /export/ispp/home (MB/s)	**156**	126	**19.70**	99.12
Normalized	100%	80.77%	12.63%	63.54%
Standard Deviation	11.4%	18.5%	0%	62.4%
Flexible IO Tester - Rand Read - IO_uring - Yes - No - 16KB - /export/ispp/home (IOPS)	**13300**	10791	**1684**	8469
Normalized	100%	81.14%	12.66%	63.68%
Standard Deviation	11.3%	18.4%		62.3%
Flexible IO Tester - Rand Read - POSIX AIO - No - No - 16KB - /export/ispp/home (MB/s)	**104**	61.45	65.43	**59.37**
Normalized	100%	59.09%	62.91%	57.09%
Standard Deviation	1.7%	5.1%	2.1%	0.5%

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Flexible IO Tester - Rand Read - POSIX AIO - No - No - 16KB - /export/ispp/home (IOPS)	**6663**	3929	4183	**3818**
Normalized	100%	58.97%	62.78%	57.3%
Standard Deviation	1.4%	5.1%	2%	0.4%
Flexible IO Tester - Rand Write - IO_uring - No - No - 16KB - /export/ispp/home (MB/s)	**127**	115	**20.80**	92.18
Normalized	100%	90.55%	16.38%	72.58%
Standard Deviation	2.3%	15.2%	0%	51.5%
Flexible IO Tester - Rand Write - IO_uring - No - No - 16KB - /export/ispp/home (IOPS)	**10800**	9785	**1777**	7879
Normalized	100%	90.6%	16.45%	72.95%
Standard Deviation	1.6%	15.2%		51.5%
Flexible IO Tester - Seq Read - Sync - No - Yes - 16KB - /export/ispp/home (MB/s)	**172**	**117**	149	143
Normalized	100%	68.02%	86.63%	83.14%
Standard Deviation		1.5%	1%	0.4%
Flexible IO Tester - Seq Read - Sync - No - Yes - 16KB - /export/ispp/home (IOPS)	**11033**	**7476**	9509	9142
Normalized	100%	67.76%	86.19%	82.86%
Standard Deviation	0.5%	1.6%	1%	0.5%
Flexible IO Tester - Seq Read - Sync - Yes - No - 16KB - /export/ispp/home (MB/s)	**343**	325	323	**313**
Normalized	100%	94.75%	94.17%	91.25%
Standard Deviation	0.9%	2%	1.3%	1.4%
Flexible IO Tester - Seq Read - Sync - Yes - No - 16KB - /export/ispp/home (IOPS)	**22000**	20500	20633	**20033**
Normalized	100%	93.18%	93.79%	91.06%
Standard Deviation	0.8%	2.7%	1%	1.4%
Flexible IO Tester - Seq Write - Sync - No - No - 16KB - /export/ispp/home (MB/s)	**224**	**117**	212	208
Normalized	100%	52.23%	94.64%	92.86%
Standard Deviation	0.4%	2%	3%	2.9%
Flexible IO Tester - Seq Write - Sync - No - No - 16KB - /export/ispp/home (IOPS)	**14367**	**7474**	13600	13214
Normalized	100%	52.02%	94.66%	91.97%
Standard Deviation	0.4%	1.9%	3%	4.9%
Flexible IO Tester - Rand Read - IO_uring - Yes - Yes - 16KB - /export/ispp/home (MB/s)	**163**	125	19.23	**19.07**
Normalized	100%	76.69%	11.8%	11.7%
Standard Deviation	11.4%	22.3%	2.3%	1.2%

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Flexible IO Tester - Rand Read - IO_uring - Yes - Yes - 16KB - /export/ispp/home (IOPS)	**13867**	10690	1642	**1627**
Normalized	100%	77.09%	11.84%	11.73%
Standard Deviation	11.3%	22.3%	2.6%	1.5%
Flexible IO Tester - Rand Read - POSIX AIO - No - Yes - 16KB - /export/ispp/home (MB/s)	**110**	60.19	57.50	**55.93**
Normalized	100%	54.72%	52.27%	50.85%
Standard Deviation	0.5%	4.2%	2.7%	0.5%
Flexible IO Tester - Rand Read - POSIX AIO - No - Yes - 16KB - /export/ispp/home (IOPS)	**7046**	3849	3677	**3578**
Normalized	100%	54.63%	52.19%	50.78%
Standard Deviation	0.4%	4.2%	2.7%	0.5%
Flexible IO Tester - Rand Read - POSIX AIO - Yes - No - 16KB - /export/ispp/home (MB/s)	**92.83**	51.08	52.22	**50.10**
Normalized	100%	55.03%	56.25%	53.97%
Standard Deviation	1.4%	3%	2.9%	0.3%
Flexible IO Tester - Rand Read - POSIX AIO - Yes - No - 16KB - /export/ispp/home (IOPS)	**5938**	3282	3337	**3203**
Normalized	100%	55.27%	56.2%	53.94%
Standard Deviation	1.4%	3.1%	2.9%	0.3%
Flexible IO Tester - Rand Write - IO_uring - No - Yes - 16KB - /export/ispp/home (MB/s)	**116**	**116**	**45.52**	75.54
Normalized	100%	100%	39.24%	65.12%
Standard Deviation	29.9%	31.5%	105.8%	73.6%
Flexible IO Tester - Rand Write - IO_uring - No - Yes - 16KB - /export/ispp/home (IOPS)	**9899**	9822	**3893**	6455
Normalized	100%	99.22%	39.33%	65.21%
Standard Deviation	29.9%	31.5%	105.9%	73.6%
Flexible IO Tester - Rand Write - IO_uring - Yes - No - 16KB - /export/ispp/home (MB/s)	88.89	**87.23**	**109.91**	101.33
Normalized	80.88%	79.36%	100%	92.19%
Standard Deviation	25.5%	25.5%	17.2%	22.3%
Flexible IO Tester - Rand Write - IO_uring - Yes - No - 16KB - /export/ispp/home (IOPS)	7594	**7451**	**9380**	8652
Normalized	80.96%	79.43%	100%	92.24%
Standard Deviation	25.6%	25.6%	17.3%	22.3%
Flexible IO Tester - Rand Write - POSIX AIO - No - No - 16KB - /export/ispp/home (MB/s)	195	**107**	**197**	191
Normalized	98.98%	54.31%	100%	96.95%
Standard Deviation		2%	0.3%	

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Flexible IO Tester - Rand Write - POSIX AIO - No - No - 16KB - /export/ispp/home (IOPS)	12467	**6818**	**12567**	12200
Normalized	99.2%	54.25%	100%	97.08%
Standard Deviation	1.2%	1.8%	0.5%	
Flexible IO Tester - Seq Read - Sync - Yes - Yes - 16KB - /export/ispp/home (MB/s)	**345**	312	295	**288**
Normalized	100%	90.43%	85.51%	83.48%
Standard Deviation	0.6%	3%		0.4%
Flexible IO Tester - Seq Read - Sync - Yes - Yes - 16KB - /export/ispp/home (IOPS)	**21733**	20000	18567	**18433**
Normalized	100%	92.03%	85.43%	84.82%
Standard Deviation	3%	3%	2.7%	0.3%
Flexible IO Tester - Seq Write - Sync - No - Yes - 16KB - /export/ispp/home (MB/s)	**213**	**121**	212	207
Normalized	100%	56.81%	99.53%	97.18%
Standard Deviation	3%	2.5%	2.9%	2%
Flexible IO Tester - Seq Write - Sync - No - Yes - 16KB - /export/ispp/home (IOPS)	13580	**7721**	**13583**	13233
Normalized	99.98%	56.84%	100%	97.42%
Standard Deviation	3.2%	2.7%	2.9%	1.9%
Flexible IO Tester - Seq Write - Sync - Yes - No - 16KB - /export/ispp/home (MB/s)	244	238	**253**	**236**
Normalized	96.44%	94.07%	100%	93.28%
Standard Deviation	1.7%	11.1%	1.6%	
Flexible IO Tester - Seq Write - Sync - Yes - No - 16KB - /export/ispp/home (IOPS)	15633	15250	**16200**	**15167**
Normalized	96.5%	94.14%	100%	93.62%
Standard Deviation	1.6%	11.2%	1.6%	0.8%
Flexible IO Tester - Rand Read - POSIX AIO - Yes - Yes - 16KB - /export/ispp/home (MB/s)	**93.43**	**55.62**	59.67	57.13
Normalized	100%	59.53%	63.87%	61.15%
Standard Deviation	1.5%	7%	0.6%	0.2%
Flexible IO Tester - Rand Read - POSIX AIO - Yes - Yes - 16KB - /export/ispp/home (IOPS)	**5976**	**3573**	3816	3653
Normalized	100%	59.79%	63.86%	61.13%
Standard Deviation	1.5%	7%	0.7%	0.2%
Flexible IO Tester - Rand Write - IO_uring - Yes - Yes - 16KB - /export/ispp/home (MB/s)	**78.27**	84.55	**102.94**	86.01
Normalized	76.03%	82.14%	100%	83.55%
Standard Deviation	38%	43.6%	31.2%	38.2%

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Flexible IO Tester - Rand Write - IO_uring - Yes - Yes - 16KB - /export/ispp/home (IOPS)	**6684**	7220	**8799**	7347
Normalized	75.96%	82.05%	100%	83.5%
Standard Deviation	38.1%	43.7%	31.2%	38.3%
Flexible IO Tester - Rand Write - POSIX AIO - No - Yes - 16KB - /export/ispp/home (MB/s)	**193**	**109**	**193**	192
Normalized	100%	56.48%	100%	99.48%
Standard Deviation	0.8%	6.7%	0.9%	2.6%
Flexible IO Tester - Rand Write - POSIX AIO - No - Yes - 16KB - /export/ispp/home (IOPS)	**12400**	**6998**	12333	11967
Normalized	100%	56.44%	99.46%	96.51%
Standard Deviation	0.8%	6.7%	0.5%	7.1%
Flexible IO Tester - Rand Write - POSIX AIO - Yes - No - 16KB - /export/ispp/home (MB/s)	219	231	**232**	**216**
Normalized	94.4%	99.57%	100%	93.1%
Standard Deviation	3%	0.9%	3%	3%
Flexible IO Tester - Rand Write - POSIX AIO - Yes - No - 16KB - /export/ispp/home (IOPS)	14000	14800	**14850**	**13843**
Normalized	94.28%	99.66%	100%	93.22%
Standard Deviation	2.9%	1.2%	2.8%	3.1%
Flexible IO Tester - Seq Write - Sync - Yes - Yes - 16KB - /export/ispp/home (MB/s)	247	**256**	252	**239**
Normalized	96.48%	100%	98.44%	93.36%
Standard Deviation	1.9%	7.2%	1%	2.5%
Flexible IO Tester - Seq Write - Sync - Yes - Yes - 16KB - /export/ispp/home (IOPS)	15767	**16287**	16100	**15267**
Normalized	96.81%	100%	98.85%	93.74%
Standard Deviation	1.8%	7.9%	1.1%	2.6%
Flexible IO Tester - Rand Write - POSIX AIO - Yes - Yes - 16KB - /export/ispp/home (MB/s)	223	**232**	231	**218**
Normalized	96.12%	100%	99.57%	93.97%
Standard Deviation	2.5%	4.3%	2.9%	1.6%
Flexible IO Tester - Rand Write - POSIX AIO - Yes - Yes - 16KB - /export/ispp/home (IOPS)	14233	14780	**14786**	**13933**
Normalized	96.26%	99.96%	100%	94.23%
Standard Deviation	2.5%	4.5%	2.9%	1.8%
Flexible IO Tester - Seq Read - IO_uring - No - No - 16KB - /export/ispp/home (MB/s)	99.77	**101.74**	56.76	**47.58**
Normalized	98.06%	100%	55.79%	46.77%
Standard Deviation	31.2%	32.2%	80.8%	92.7%

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Flexible IO Tester - Seq Read - IO_uring - No - No - 16KB - /export/ispp/home (IOPS)	8526	**8676**	4850	**4064**
Normalized	98.27%	100%	55.9%	46.84%
Standard Deviation	31.2%	32.3%	80.9%	92.7%
Flexible IO Tester - Seq Read - IO_uring - No - Yes - 16KB - /export/ispp/home (MB/s)	107	**110**	**19.90**	61.84
Normalized	97.27%	100%	18.09%	56.22%
Standard Deviation		14.2%	1.7%	75.1%
Flexible IO Tester - Seq Read - IO_uring - No - Yes - 16KB - /export/ispp/home (IOPS)	9142	**9360**	**1699**	5283
Normalized	97.67%	100%	18.15%	56.44%
Standard Deviation		14.5%	1.5%	75.2%
Flexible IO Tester - Seq Read - IO_uring - Yes - No - 16KB - /export/ispp/home (MB/s)	94.84	**100.45**	**17.73**	53.97
Normalized	94.42%	100%	17.65%	53.73%
Standard Deviation	21.7%	16.5%	1.6%	61.8%
Flexible IO Tester - Seq Read - IO_uring - Yes - No - 16KB - /export/ispp/home (IOPS)	8099	**8581**	**1511**	4605
Normalized	94.38%	100%	17.61%	53.67%
Standard Deviation	21.8%	16.6%	1.3%	61.8%
Flexible IO Tester - Seq Read - POSIX AIO - No - No - 16KB - /export/ispp/home (MB/s)	**155**	**114**	152	145
Normalized	100%	73.55%	98.06%	93.55%
Standard Deviation	1.6%	3.3%	0.7%	1.2%
Flexible IO Tester - Seq Read - POSIX AIO - No - No - 16KB - /export/ispp/home (IOPS)	**9928**	**7307**	9729	9284
Normalized	100%	73.6%	98%	93.51%
Standard Deviation	1.6%	3.4%	0.7%	1.3%
Flexible IO Tester - Seq Write - IO_uring - No - No - 16KB - /export/ispp/home (MB/s)	125	**130**	**21.06**	81.24
Normalized	96.15%	100%	16.2%	62.49%
Standard Deviation			2.8%	63.6%
Flexible IO Tester - Seq Write - IO_uring - No - No - 16KB - /export/ispp/home (IOPS)	10700	**11000**	**1798**	6951
Normalized	97.27%	100%	16.35%	63.19%
Standard Deviation			2.6%	63.7%
Flexible IO Tester - Seq Read - IO_uring - Yes - Yes - 16KB - /export/ispp/home (MB/s)	**103.65**	81.57	**17.73**	63.11
Normalized	100%	78.7%	17.11%	60.89%
Standard Deviation	16.9%	23.1%	1.6%	53.1%

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Flexible IO Tester - Seq Read - IO_uring - Yes - Yes - 16KB - /export/ispp/home (IOPS)	**8849**	6964	**1511**	5385
Normalized	100%	78.7%	17.08%	60.85%
Standard Deviation	17%	23.2%	1.3%	53.1%
Flexible IO Tester - Seq Read - POSIX AIO - No - Yes - 16KB - /export/ispp/home (MB/s)	**157**	**114**	148	145
Normalized	100%	72.61%	94.27%	92.36%
Standard Deviation	1%	1.3%	1.7%	
Flexible IO Tester - Seq Read - POSIX AIO - No - Yes - 16KB - /export/ispp/home (IOPS)	**10052**	**7258**	9479	9289
Normalized	100%	72.2%	94.3%	92.41%
Standard Deviation	1.3%	1.2%	1.5%	0.5%
Flexible IO Tester - Seq Read - POSIX AIO - Yes - No - 16KB - /export/ispp/home (MB/s)	**319**	**252**	311	297
Normalized	100%	79%	97.49%	93.1%
Standard Deviation	2.1%	2.6%	2.9%	1.5%
Flexible IO Tester - Seq Read - POSIX AIO - Yes - No - 16KB - /export/ispp/home (IOPS)	**20433**	**16133**	19717	19000
Normalized	100%	78.96%	96.5%	92.99%
Standard Deviation	2%	2.8%	4.7%	1.4%
Flexible IO Tester - Seq Write - IO_uring - No - Yes - 16KB - /export/ispp/home (MB/s)	**116**	115	**47.36**	75.23
Normalized	100%	99.14%	40.83%	64.85%
Standard Deviation	31%	29.6%	102.8%	73.4%
Flexible IO Tester - Seq Write - IO_uring - No - Yes - 16KB - /export/ispp/home (IOPS)	**9872**	9754	**4051**	6438
Normalized	100%	98.8%	41.04%	65.21%
Standard Deviation	31%	29.7%	102.9%	73.5%
Flexible IO Tester - Seq Write - IO_uring - Yes - No - 16KB - /export/ispp/home (MB/s)	99.15	**98.58**	**116.19**	110.68
Normalized	85.33%	84.84%	100%	95.26%
Standard Deviation	25.3%	23.4%	12%	11.9%
Flexible IO Tester - Seq Write - IO_uring - Yes - No - 16KB - /export/ispp/home (IOPS)	8467	**8418**	**9933**	9461
Normalized	85.24%	84.75%	100%	95.25%
Standard Deviation	25.4%	23.5%	12%	12.1%
Flexible IO Tester - Seq Write - POSIX AIO - No - No - 16KB - /export/ispp/home (MB/s)	198	**112**	**200**	191
Normalized	99%	56%	100%	95.5%
Standard Deviation		6.1%	0.6%	0.6%

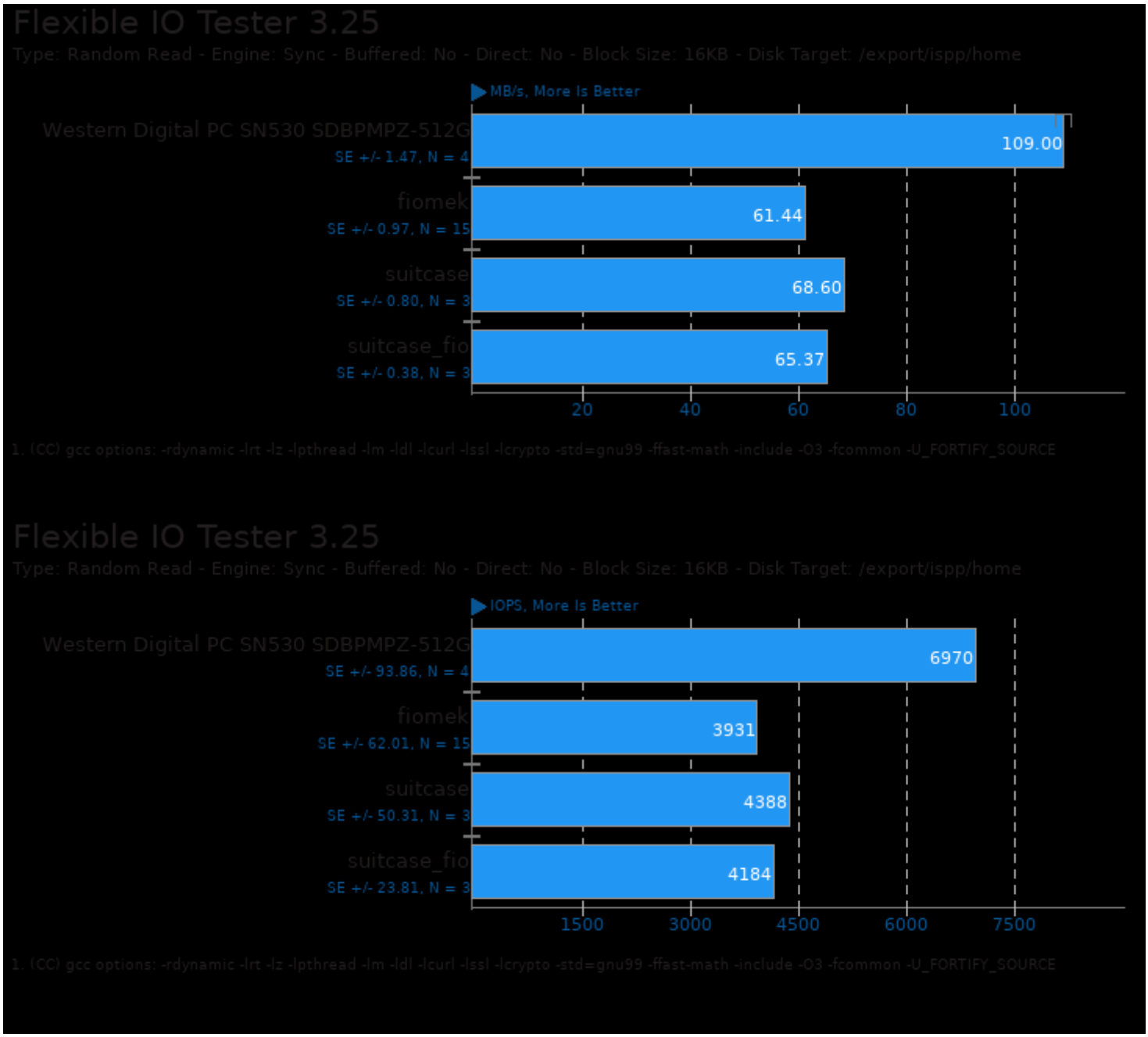
isymfio

Flexible IO Tester - Seq Write - POSIX AIO - No - No - 16KB - /export/ispp/home (IOPS)	12667	7181	12833	12267
Normalized	98.71%	55.96%	100%	95.59%
Standard Deviation	1.2%	6.1%	0.4%	0.5%
Flexible IO Tester - Seq Read - POSIX AIO - Yes - Yes - 16KB - /export/ispp/home (MB/s)	333	266	314	299
Normalized	100%	79.88%	94.29%	89.79%
Standard Deviation	0.3%	1.6%	1.1%	0.3%
Flexible IO Tester - Seq Read - POSIX AIO - Yes - Yes - 16KB - /export/ispp/home (IOPS)	21300	17033	20100	19133
Normalized	100%	79.97%	94.37%	89.83%
Standard Deviation	0.5%	1.7%	1.3%	0.3%
Flexible IO Tester - Seq Write - IO_uring - Yes - Yes - 16KB - /export/ispp/home (MB/s)	85.88	87.52	110.36	104.29
Normalized	77.82%	79.3%	100%	94.5%
Standard Deviation	34.2%	42%	31.4%	33.4%
Flexible IO Tester - Seq Write - IO_uring - Yes - Yes - 16KB - /export/ispp/home (IOPS)	7333	7473	9442	8918
Normalized	77.66%	79.15%	100%	94.45%
Standard Deviation	34.4%	42%	31.4%	33.4%
Flexible IO Tester - Seq Write - POSIX AIO - No - Yes - 16KB - /export/ispp/home (MB/s)	197	110	195	193
Normalized	100%	55.84%	98.98%	97.97%
Standard Deviation	1.6%	1.9%	0.9%	1.8%
Flexible IO Tester - Seq Write - POSIX AIO - No - Yes - 16KB - /export/ispp/home (IOPS)	12633	6999	12433	12367
Normalized	100%	55.4%	98.42%	97.89%
Standard Deviation	1.8%	1.9%	0.9%	2%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - No - 16KB - /export/ispp/home (MB/s)	242	246	232	229
Normalized	98.37%	100%	94.31%	93.09%
Standard Deviation	2%	5.4%	2.8%	
Flexible IO Tester - Seq Write - POSIX AIO - Yes - No - 16KB - /export/ispp/home (IOPS)	15533	15633	14850	14667
Normalized	99.36%	100%	94.99%	93.82%
Standard Deviation	2%	4.9%	2.8%	1.7%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - Yes - 16KB - /export/ispp/home (MB/s)	235	247	242	226
Normalized	95.14%	100%	97.98%	91.5%
Standard Deviation	1.3%	2.8%	2.4%	2.8%

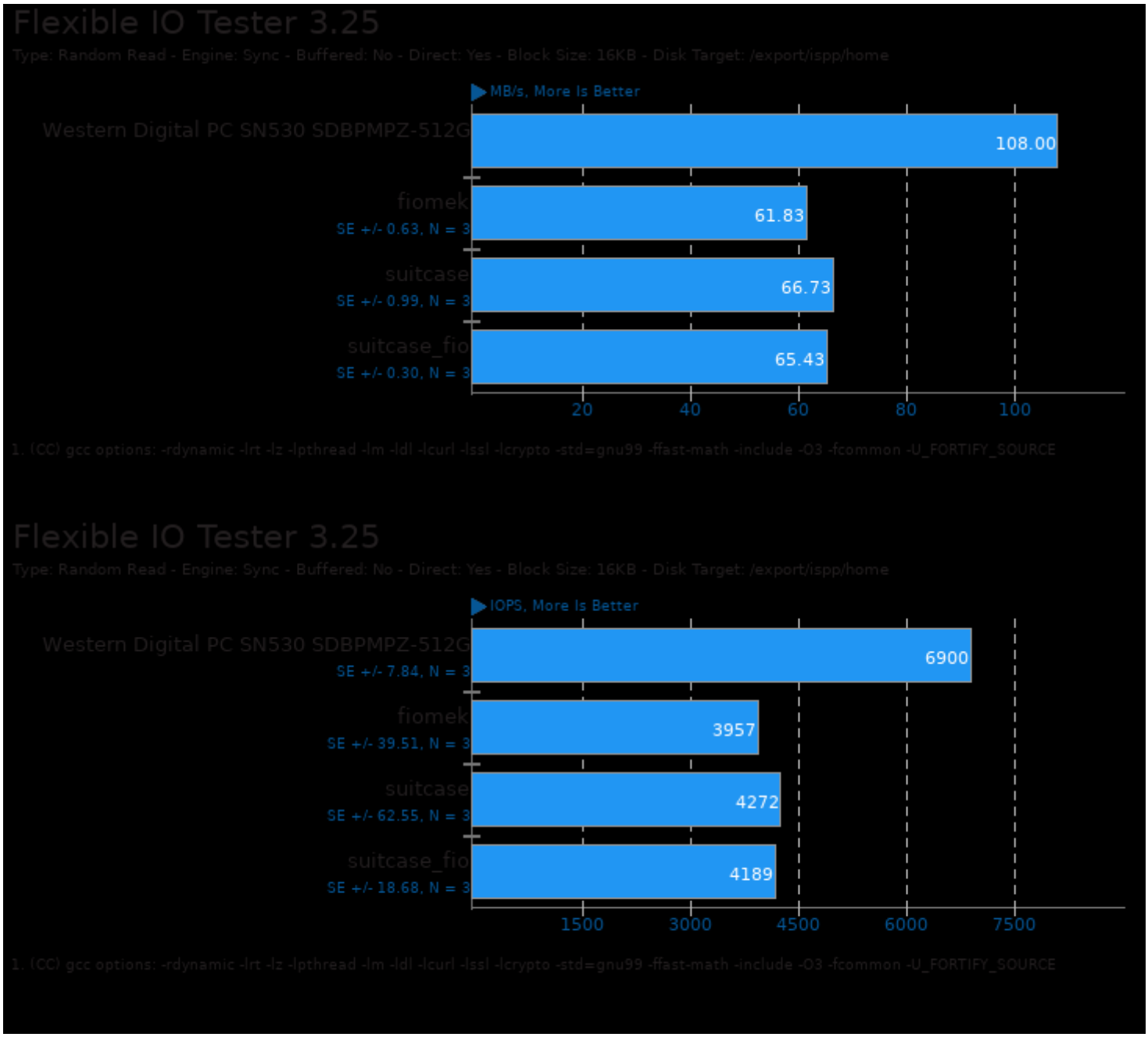
isymfio

Flexible IO Tester - Seq Write - POSIX AIO - Yes - Yes - 16KB - /export/ispp/home (IOPS)	15067	**15833**	15467	**14450**
Normalized	95.16%	100%	97.69%	91.27%
Standard Deviation	1%	2.6%	2.6%	2.9%

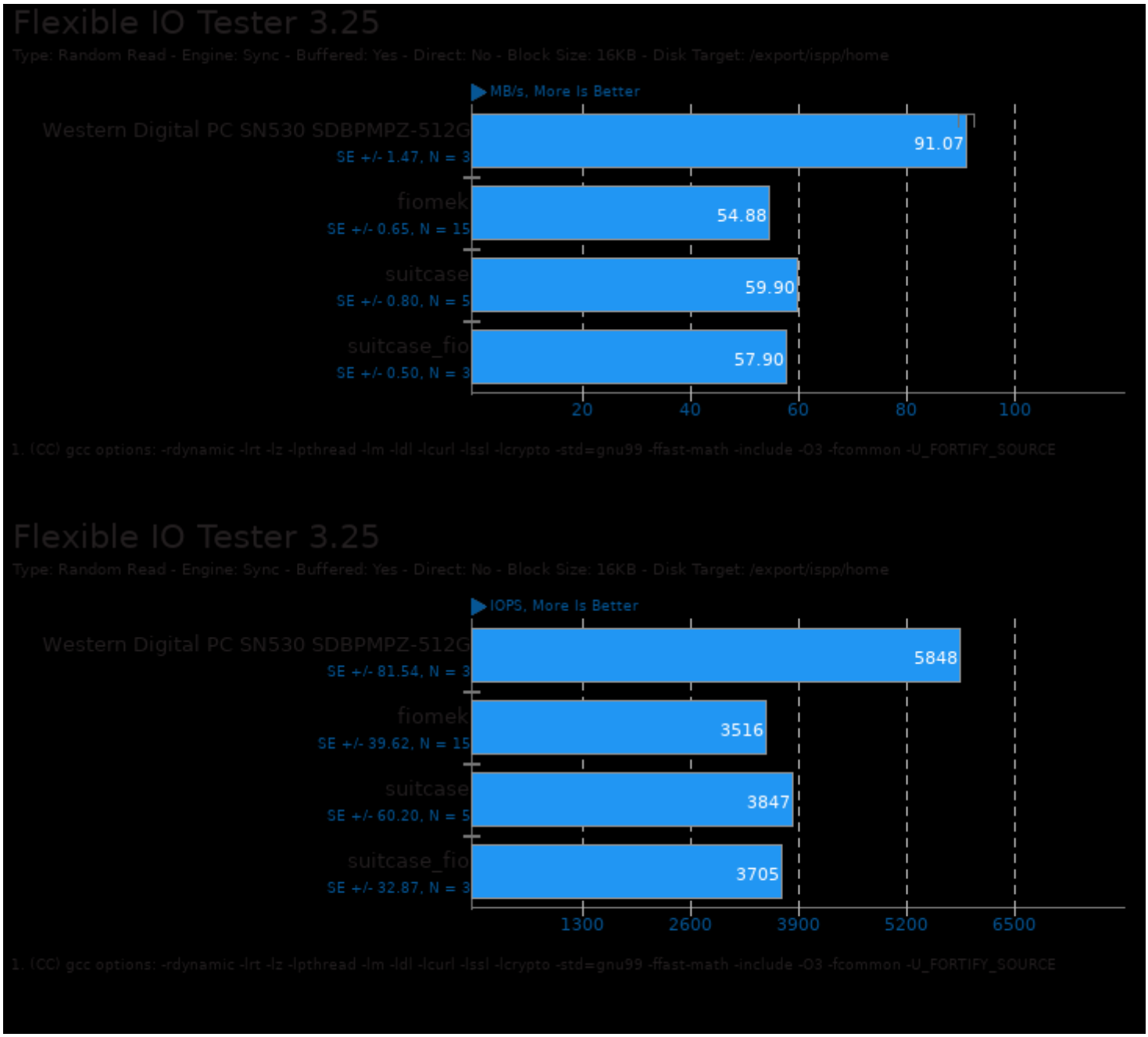
isymfio


Flexible IO Tester 3.25
Type: Random Read - Engine: Sync - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 1.47, N = 4
109.00
fiomek
SE +/- 0.97, N = 15
61.44
suitcase
SE +/- 0.80, N = 3
68.60
suitcase_fio
SE +/- 0.38, N = 3
65.37
20
40
60
80
100
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Read - Engine: Sync - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 93.86, N = 4
6970
fiomek
SE +/- 62.01, N = 15
3931
suitcase
SE +/- 50.31, N = 3
4388
suitcase_fio
SE +/- 23.81, N = 3
4184
1500
3000
4500
6000
7500
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

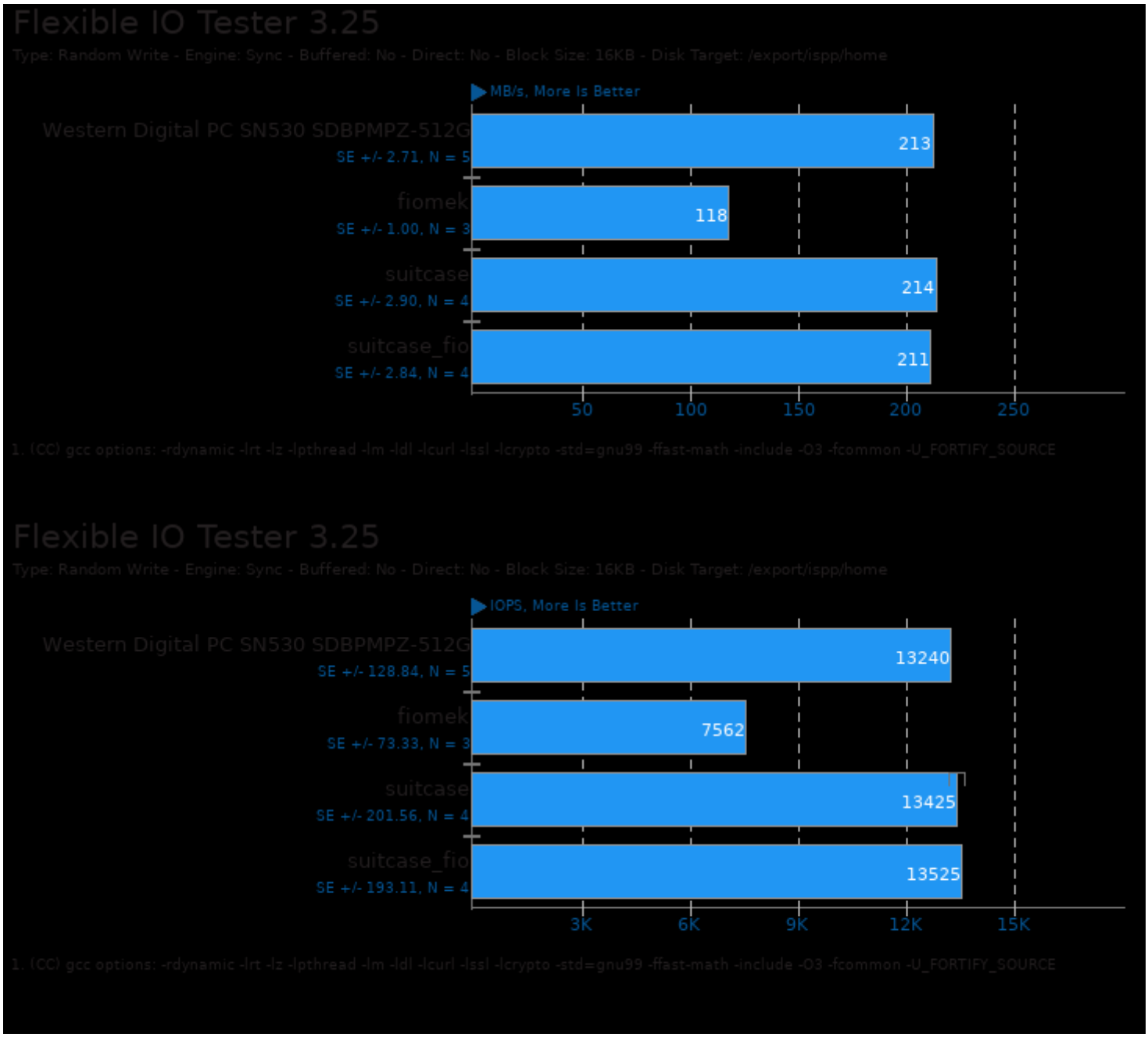
isymfio


Flexible IO Tester 3.25
Type: Random Read - Engine: Sync - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
108.00
fiomek
SE +/- 0.63, N = 3
61.83
suitcase
SE +/- 0.99, N = 3
66.73
suitcase_fio
SE +/- 0.30, N = 3
65.43
20
40
60
80
100
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Read - Engine: Sync - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 7.84, N = 3
6900
fiomek
SE +/- 39.51, N = 3
3957
suitcase
SE +/- 62.55, N = 3
4272
suitcase_fio
SE +/- 18.68, N = 3
4189
1500
3000
4500
6000
7500
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

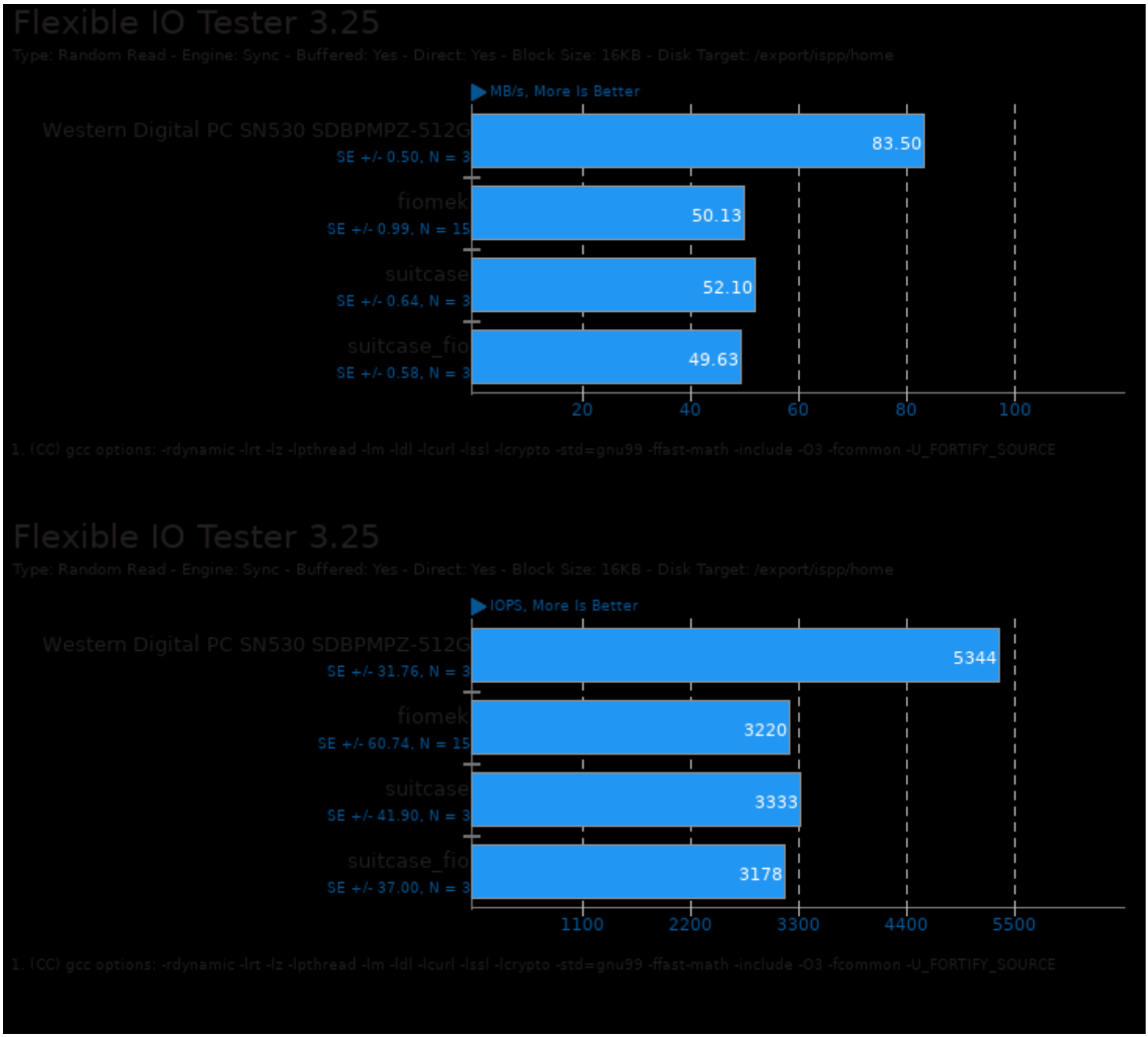
isymfio


Flexible IO Tester 3.25
Type: Random Read - Engine: Sync - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 1.47, N = 3
91.07
fiomek
SE +/- 0.65, N = 15
54.88
suitcase
SE +/- 0.80, N = 5
59.90
suitcase_fio
SE +/- 0.50, N = 3
57.90
20
40
60
80
100
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Read - Engine: Sync - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 81.54, N = 3
5848
fiomek
SE +/- 39.62, N = 15
3516
suitcase
SE +/- 60.20, N = 5
3847
suitcase_fio
SE +/- 32.87, N = 3
3705
1300
2600
3900
5200
6500
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

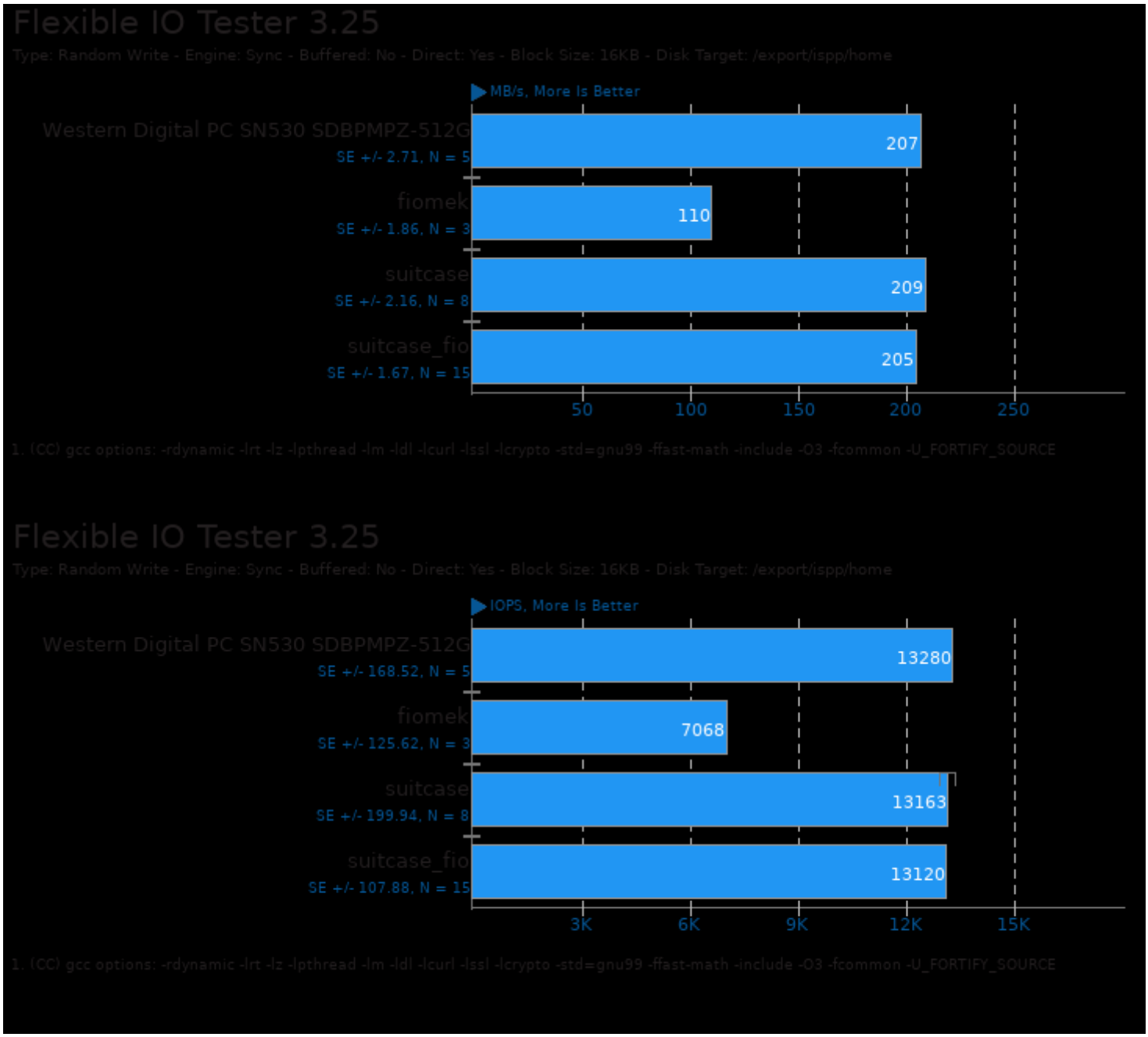
isymfio


Flexible IO Tester 3.25
Type: Random Write - Engine: Sync - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 2.71, N = 5
213
fiomek
SE +/- 1.00, N = 3
118
suitcase
SE +/- 2.90, N = 4
214
suitcase_fio
SE +/- 2.84, N = 4
211
50
100
150
200
250
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Write - Engine: Sync - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 128.84, N = 5
13240
fiomek
SE +/- 73.33, N = 3
7562
suitcase
SE +/- 201.56, N = 4
13425
suitcase_fio
SE +/- 193.11, N = 4
13525
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

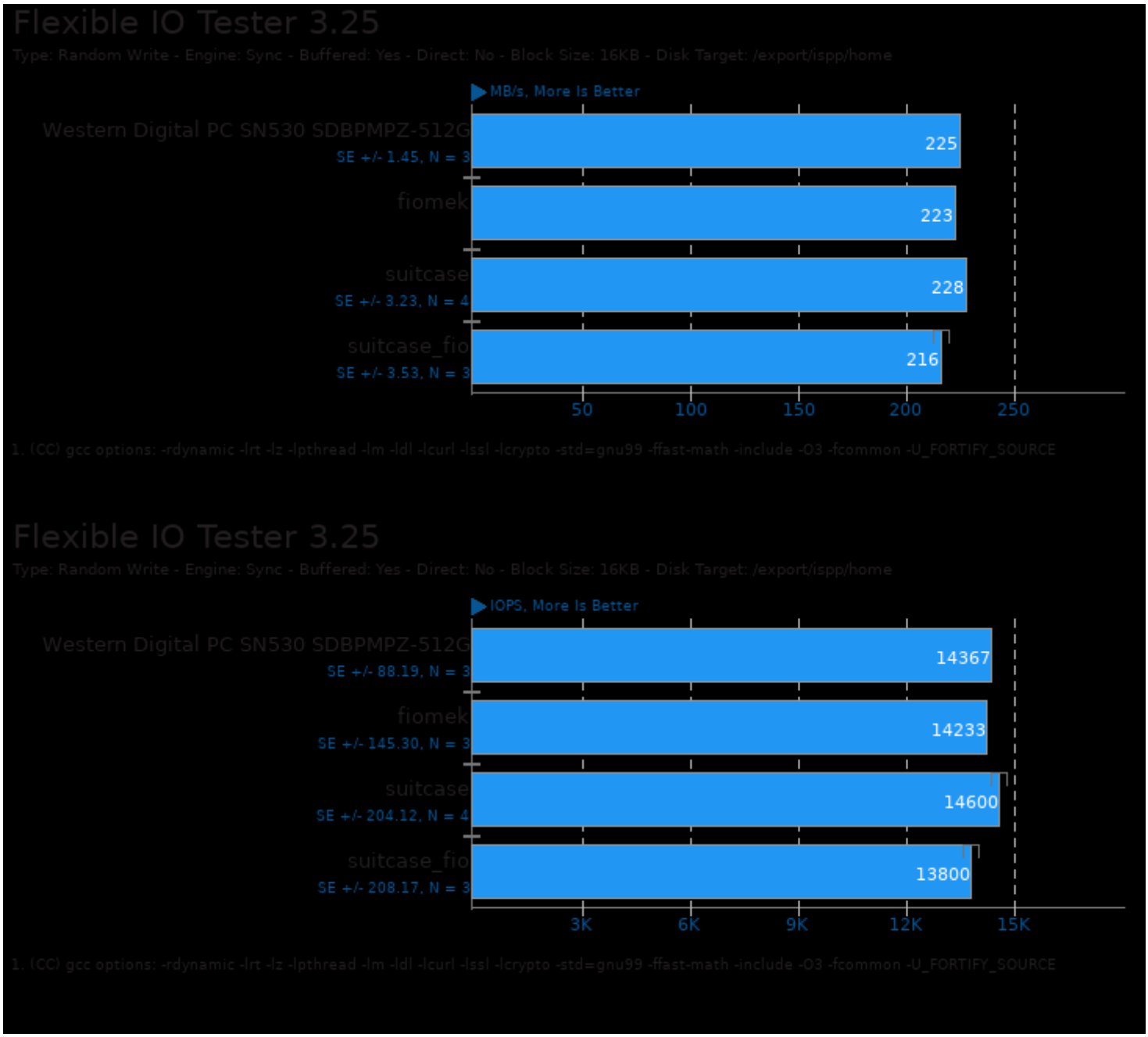
isymfio


Flexible IO Tester 3.25
Type: Random Read - Engine: Sync - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 0.50, N = 3
83.50
fiomek
SE +/- 0.99, N = 15
50.13
suitcase
SE +/- 0.64, N = 3
52.10
suitcase_fio
SE +/- 0.58, N = 3
49.63
20
40
60
80
100
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Read - Engine: Sync - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 31.76, N = 3
5344
fiomek
SE +/- 60.74, N = 15
3220
suitcase
SE +/- 41.90, N = 3
3333
suitcase_fio
SE +/- 37.00, N = 3
3178
1100
2200
3300
4400
5500
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

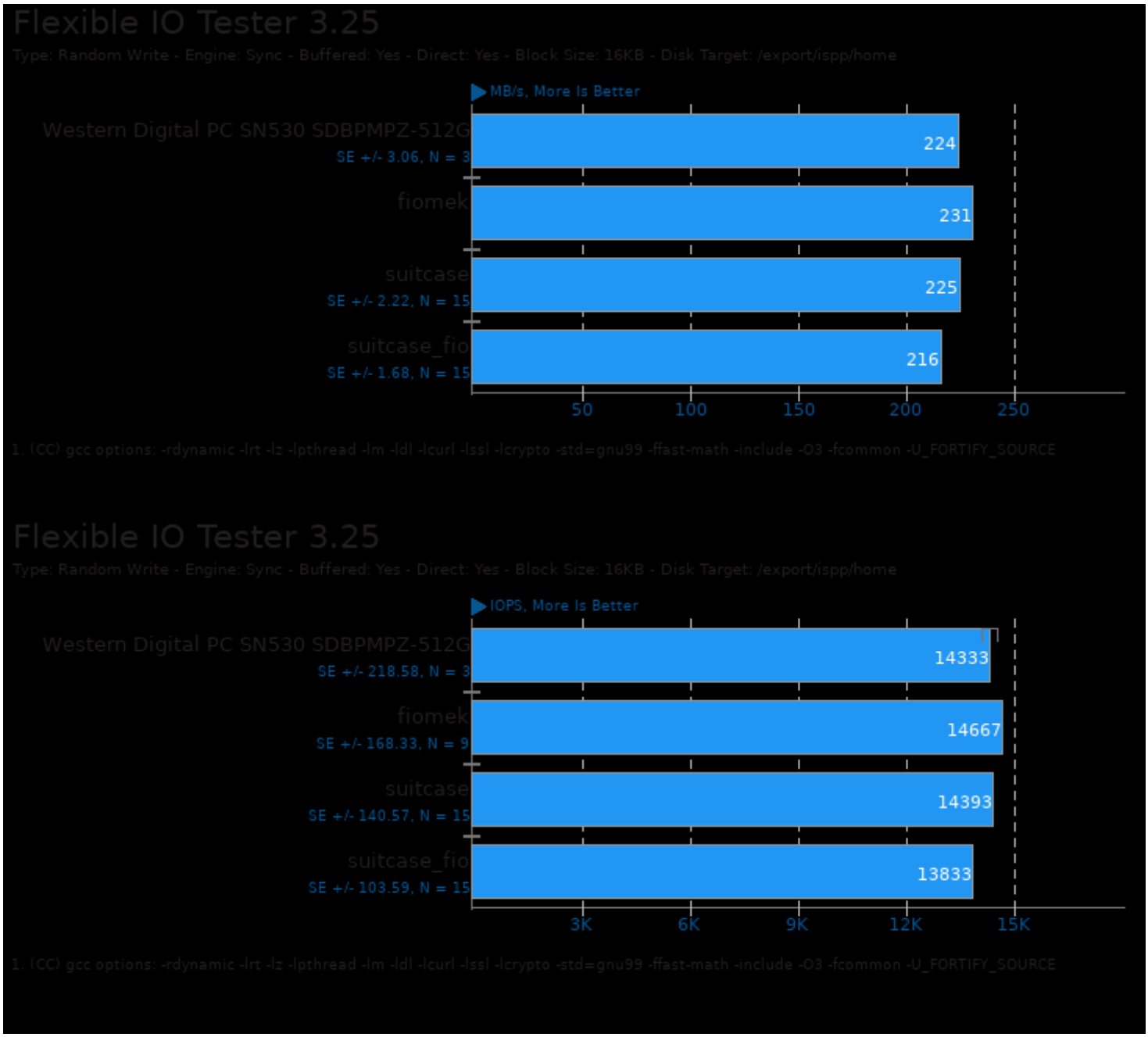
isymfio

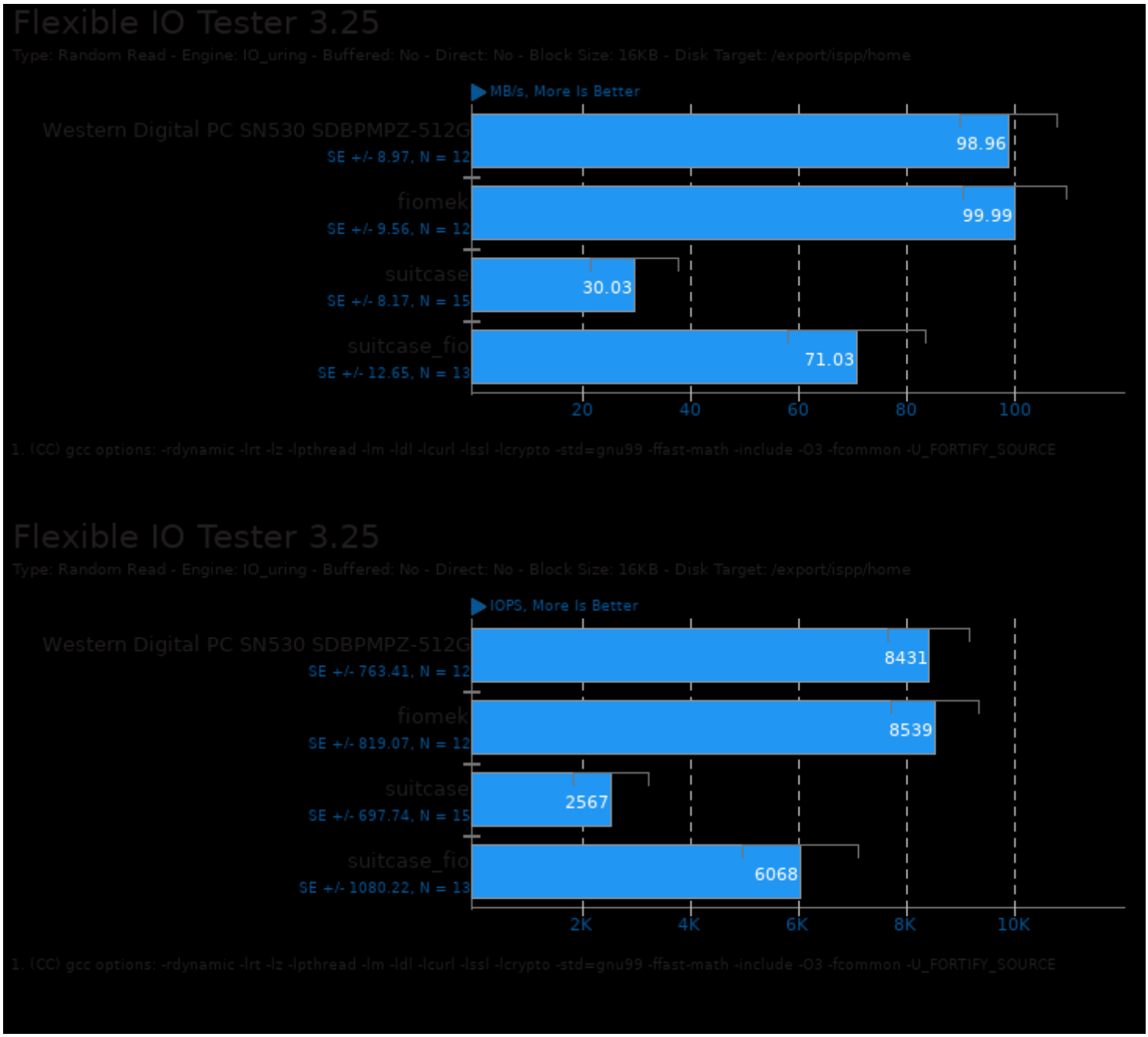

Flexible IO Tester 3.25
Type: Random Write - Engine: Sync - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 2.71, N = 5
207
fiomek
SE +/- 1.86, N = 3
110
suitcase
SE +/- 2.16, N = 8
209
suitcase_fio
SE +/- 1.67, N = 15
205
50
100
150
200
250
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Write - Engine: Sync - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 168.52, N = 5
13280
fiomek
SE +/- 125.62, N = 3
7068
suitcase
SE +/- 199.94, N = 8
13163
suitcase_fio
SE +/- 107.88, N = 15
13120
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

isymfio

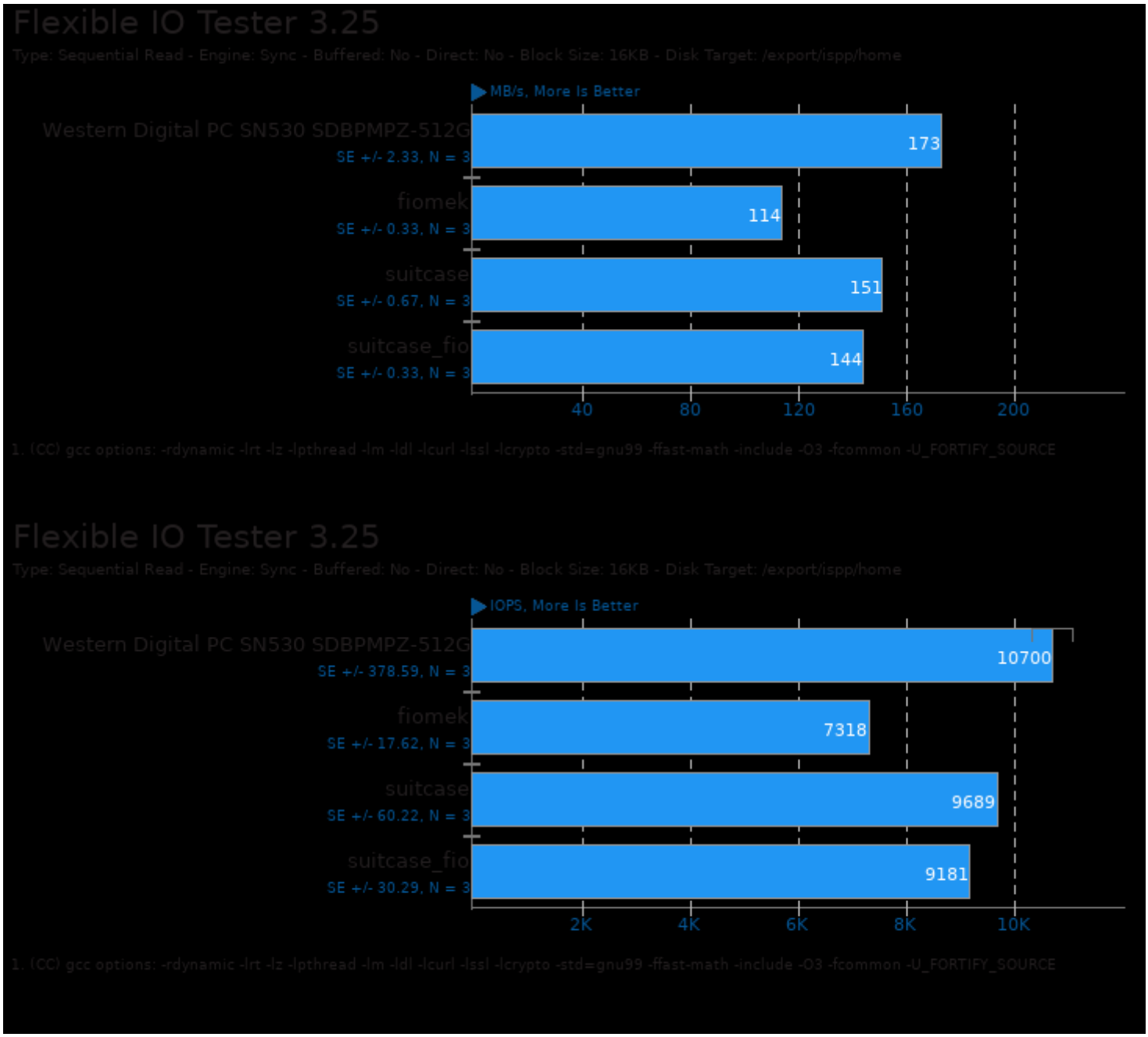

Flexible IO Tester 3.25
Type: Random Write - Engine: Sync - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 1.45, N = 3
225
fiomek
223
suitcase
SE +/- 3.23, N = 4
228
suitcase_fio
SE +/- 3.53, N = 3
216
50
100
150
200
250
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Write - Engine: Sync - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 88.19, N = 3
14367
fiomek
SE +/- 145.30, N = 3
14233
suitcase
SE +/- 204.12, N = 4
14600
suitcase_fio
SE +/- 208.17, N = 3
13800
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

isymfio

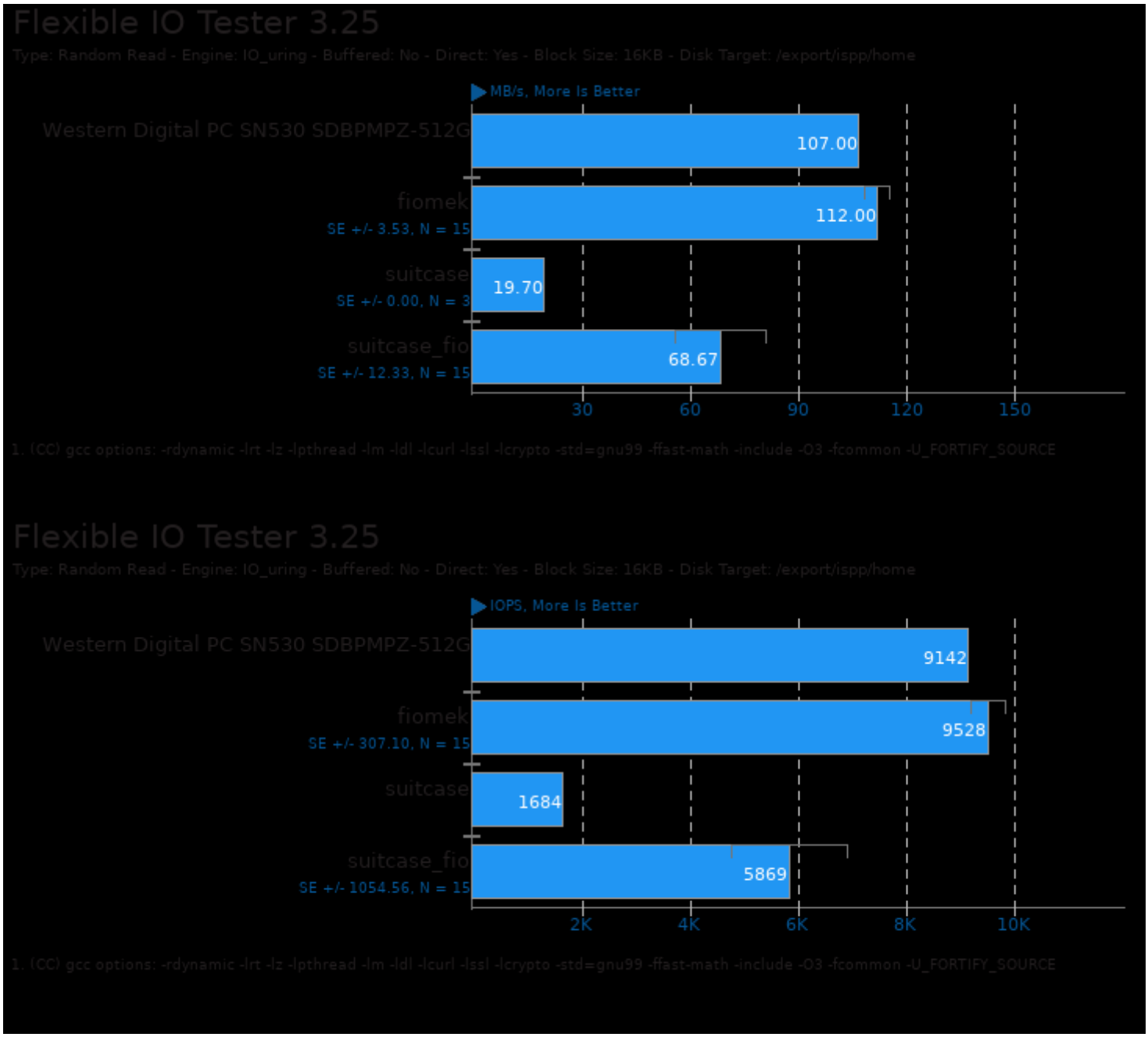

Flexible IO Tester 3.25
Type: Random Write - Engine: Sync - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 3.06, N = 3
224
fiomek
231
suitcase
SE +/- 2.22, N = 15
225
suitcase_fio
SE +/- 1.68, N = 15
216
50
100
150
200
250
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Write - Engine: Sync - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 218.58, N = 3
14333
fiomek
SE +/- 168.33, N = 9
14667
suitcase
SE +/- 140.57, N = 15
14393
suitcase_fio
SE +/- 103.59, N = 15
13833
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE


Flexible IO Tester 3.25
Type: Random Read - Engine: IO_uring - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 8.97, N = 12
98.96
fiomek
SE +/- 9.56, N = 12
99.99
suitcase
SE +/- 8.17, N = 15
30.03
suitcase_fio
SE +/- 12.65, N = 13
71.03
20
40
60
80
100
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Read - Engine: IO_uring - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 763.41, N = 12
8431
fiomek
SE +/- 819.07, N = 12
8539
suitcase
SE +/- 697.74, N = 15
2567
suitcase_fio
SE +/- 1080.22, N = 13
6068
2K
4K
6K
8K
10K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

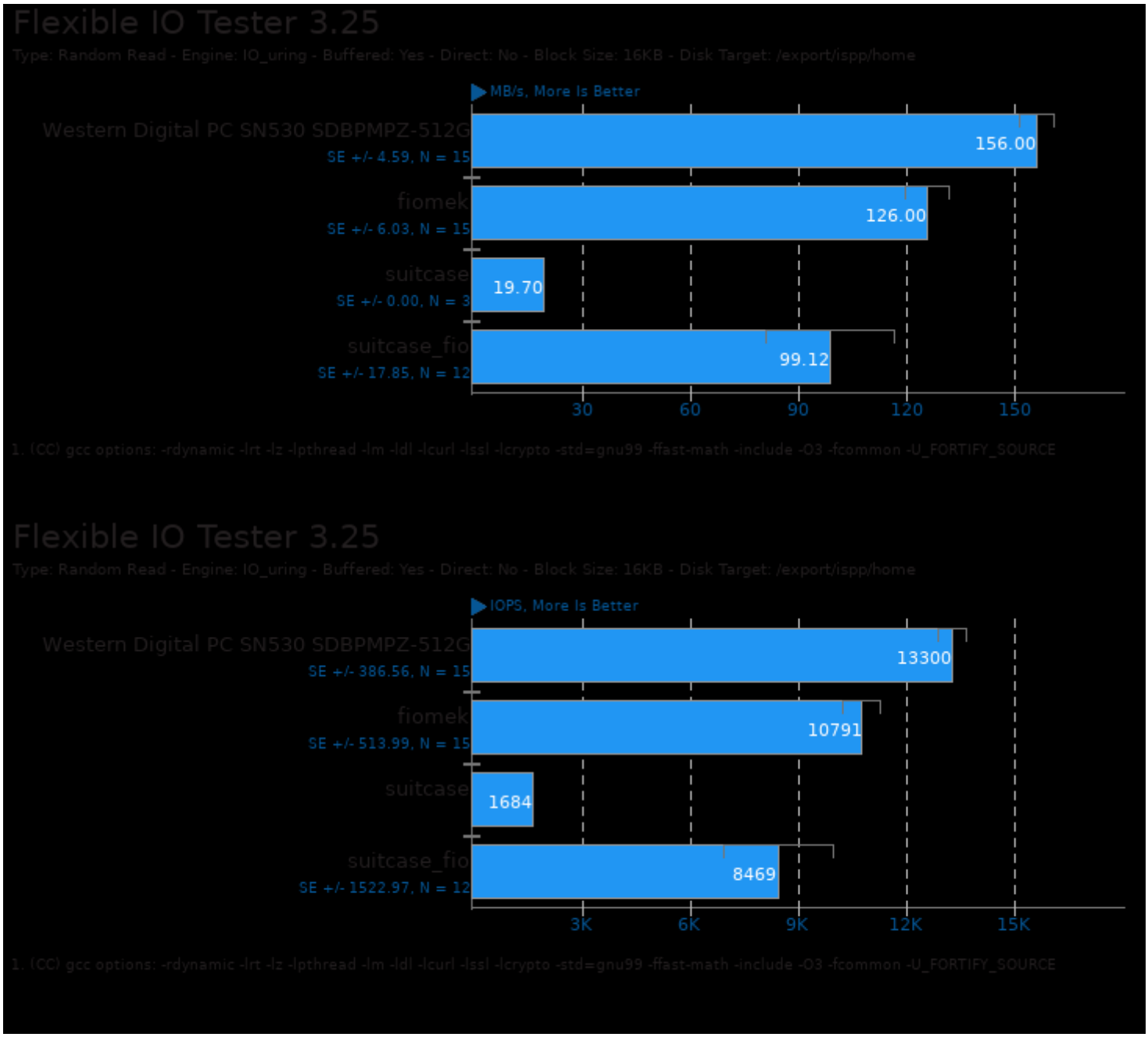
isymfio


Flexible IO Tester 3.25
Type: Sequential Read - Engine: Sync - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 2.33, N = 3
173
fiomek
SE +/- 0.33, N = 3
114
suitcase
SE +/- 0.67, N = 3
151
suitcase_fio
SE +/- 0.33, N = 3
144
40
80
120
160
200
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Read - Engine: Sync - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 378.59, N = 3
10700
fiomek
SE +/- 17.62, N = 3
7318
suitcase
SE +/- 60.22, N = 3
9689
suitcase_fio
SE +/- 30.29, N = 3
9181
2K
4K
6K
8K
10K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

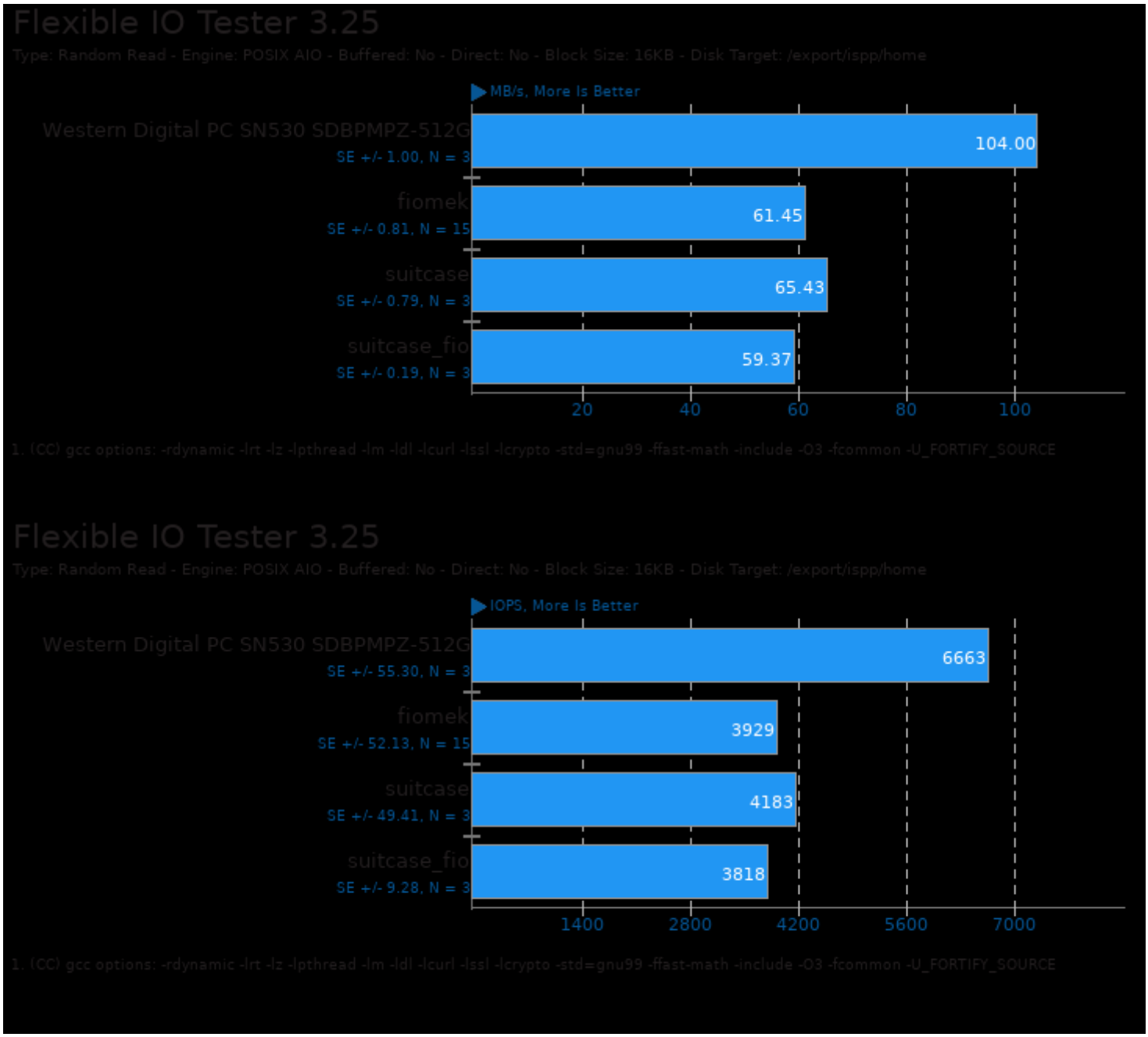
isymfio


Flexible IO Tester 3.25
Type: Random Read - Engine: IO_uring - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
107.00
fiomek
SE +/- 3.53, N = 15
112.00
suitcase
SE +/- 0.00, N = 3
19.70
suitcase_fio
SE +/- 12.33, N = 15
68.67
30
60
90
120
150
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Read - Engine: IO_uring - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
9142
fiomek
SE +/- 307.10, N = 15
9528
suitcase
1684
suitcase_fio
SE +/- 1054.56, N = 15
5869
2K
4K
6K
8K
10K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

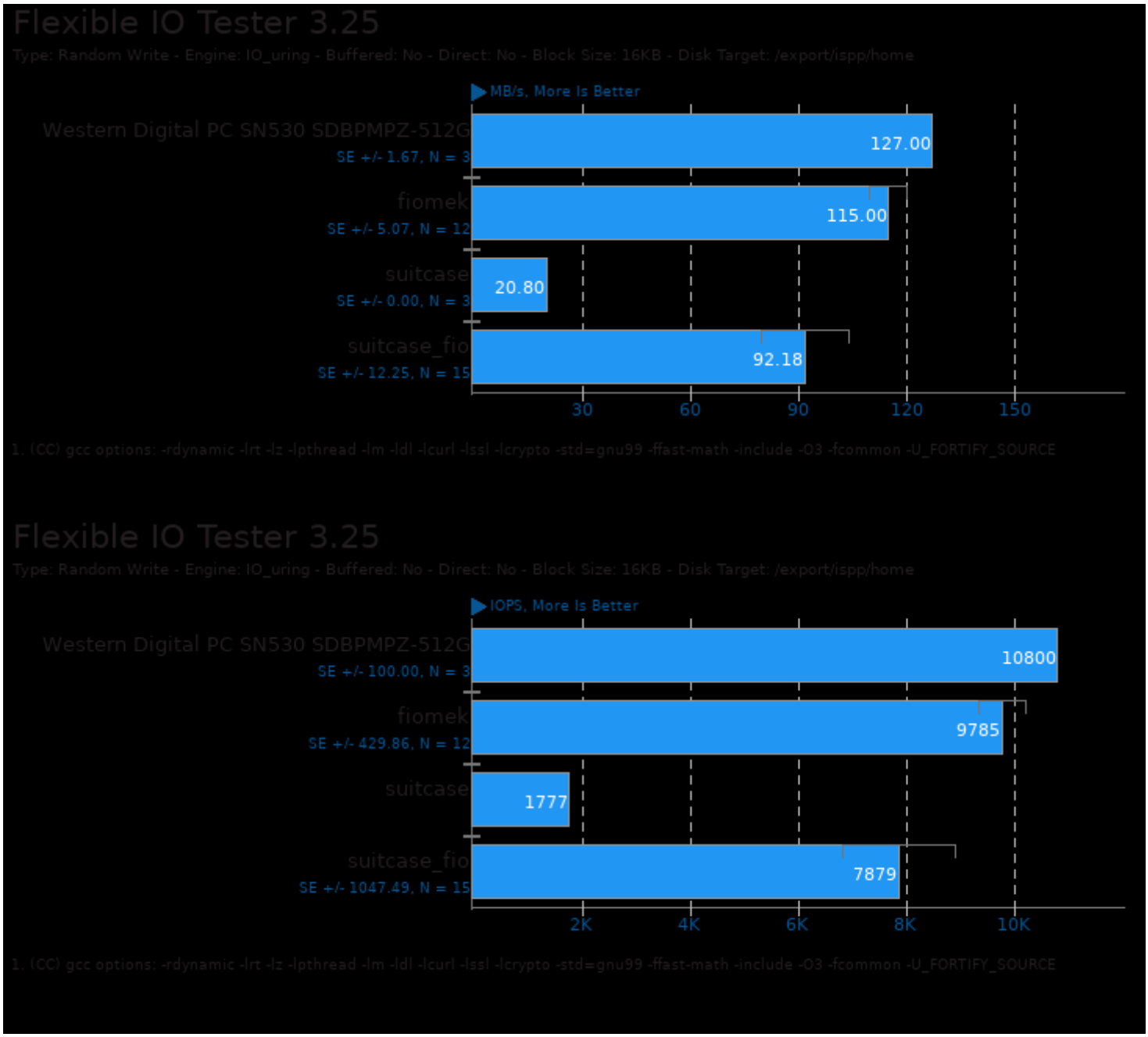
isymfio


Flexible IO Tester 3.25
Type: Random Read - Engine: IO_uring - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 4.59, N = 15
156.00
fiomek
SE +/- 6.03, N = 15
126.00
suitcase
SE +/- 0.00, N = 3
19.70
suitcase_fio
SE +/- 17.85, N = 12
99.12
30
60
90
120
150
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Read - Engine: IO_uring - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 386.56, N = 15
13300
fiomek
SE +/- 513.99, N = 15
10791
suitcase
1684
suitcase_fio
SE +/- 1522.97, N = 12
8469
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

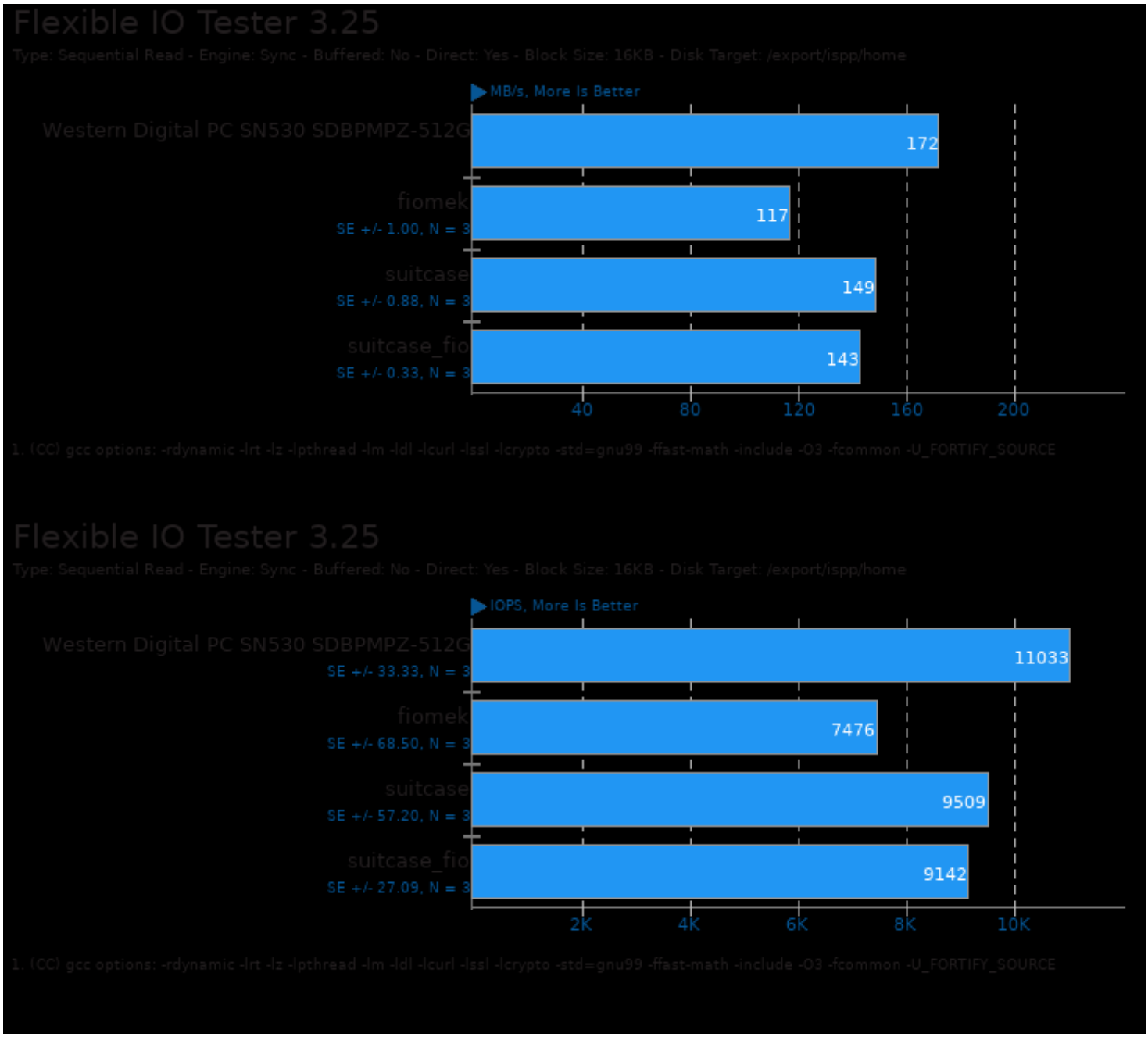
isymfio


Flexible IO Tester 3.25
Type: Random Read - Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 1.00, N = 3
104.00
fiomek
SE +/- 0.81, N = 15
61.45
suitcase
SE +/- 0.79, N = 3
65.43
suitcase_fio
SE +/- 0.19, N = 3
59.37
20
40
60
80
100
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Read - Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 55.30, N = 3
6663
fiomek
SE +/- 52.13, N = 15
3929
suitcase
SE +/- 49.41, N = 3
4183
suitcase_fio
SE +/- 9.28, N = 3
3818
1400
2800
4200
5600
7000
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

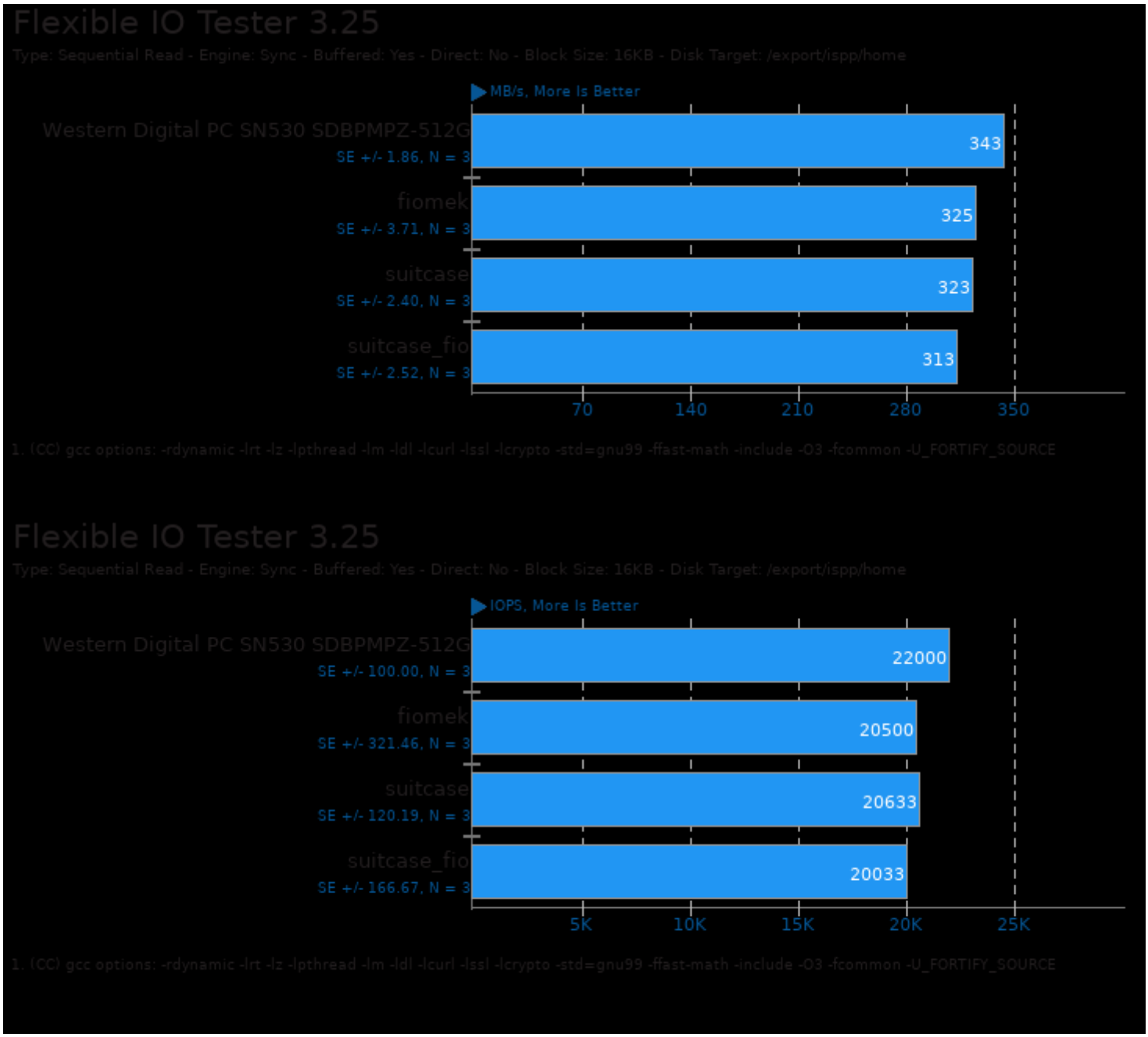
isymfio


Flexible IO Tester 3.25
Type: Random Write - Engine: IO_uring - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 1.67, N = 3
127.00
fiomek
SE +/- 5.07, N = 12
115.00
suitcase
SE +/- 0.00, N = 3
20.80
suitcase_fio
SE +/- 12.25, N = 15
92.18
30
60
90
120
150
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Write - Engine: IO_uring - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 100.00, N = 3
10800
fiomek
SE +/- 429.86, N = 12
9785
suitcase
1777
suitcase_fio
SE +/- 1047.49, N = 15
7879
2K
4K
6K
8K
10K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

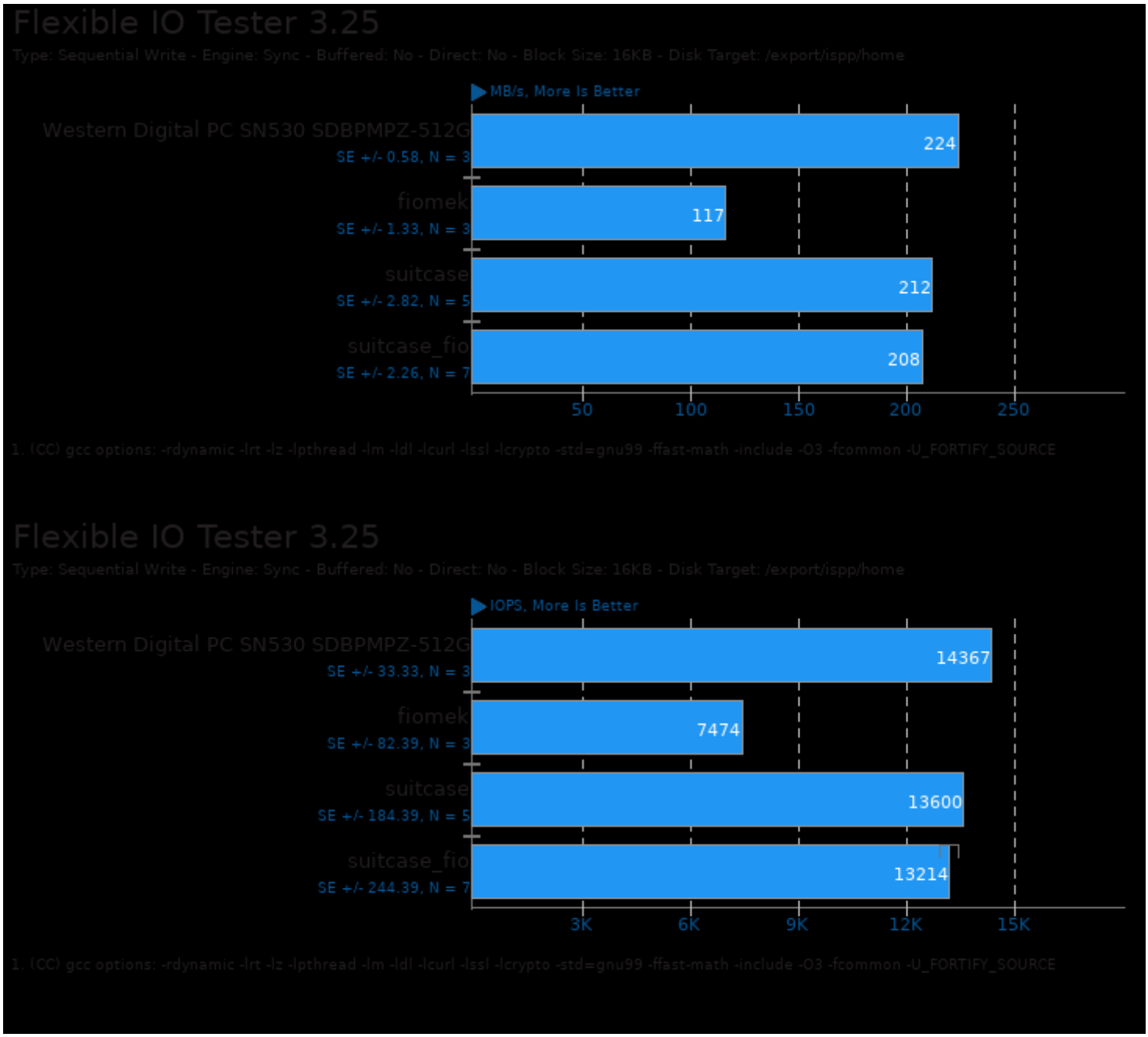
isymfio


Flexible IO Tester 3.25
Type: Sequential Read - Engine: Sync - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
172
fiomek
SE +/- 1.00, N = 3
117
suitcase
SE +/- 0.88, N = 3
149
suitcase_fio
SE +/- 0.33, N = 3
143
40
80
120
160
200
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Read - Engine: Sync - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 33.33, N = 3
11033
fiomek
SE +/- 68.50, N = 3
7476
suitcase
SE +/- 57.20, N = 3
9509
suitcase_fio
SE +/- 27.09, N = 3
9142
2K
4K
6K
8K
10K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

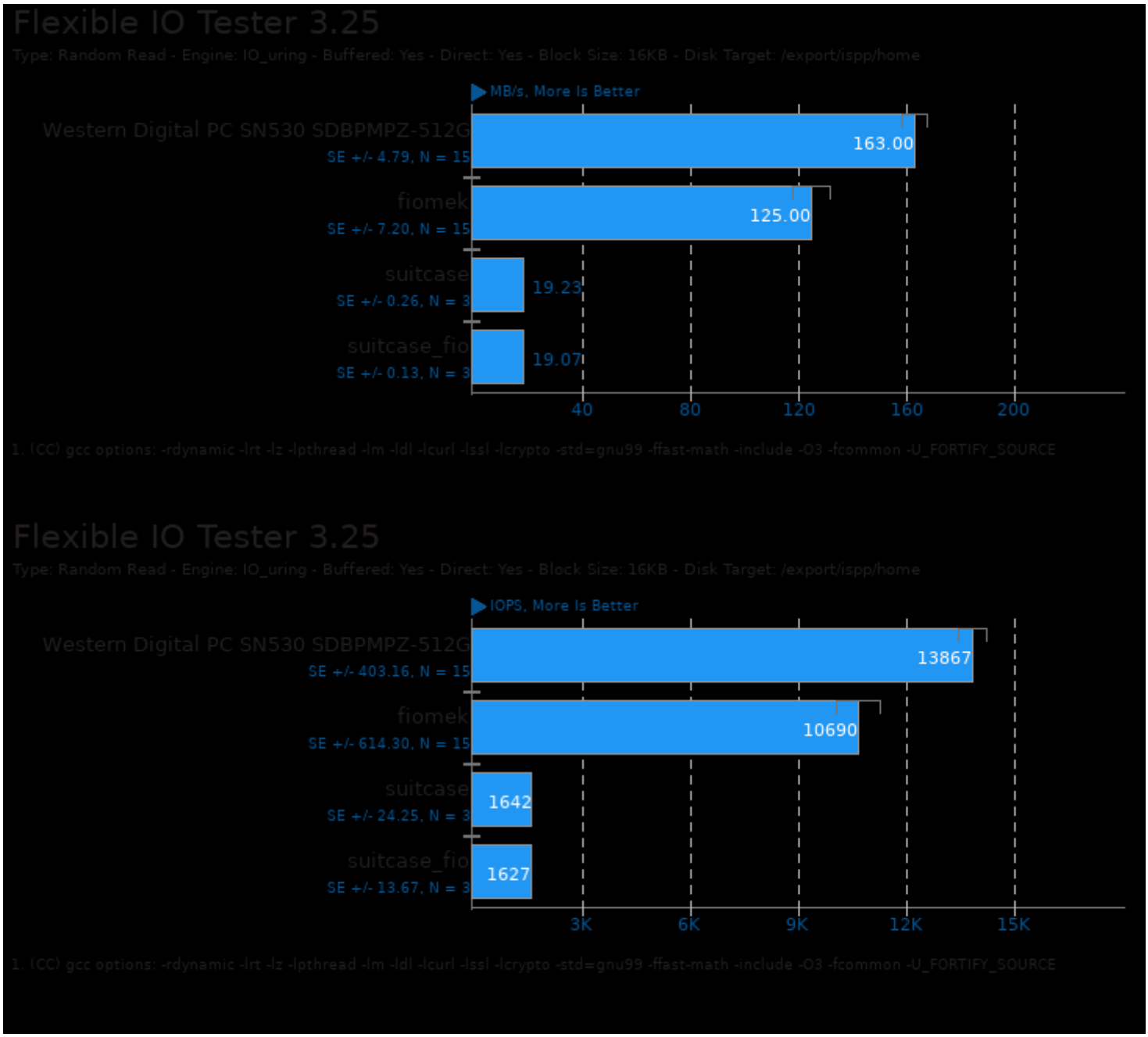
isymfio


Flexible IO Tester 3.25
Type: Sequential Read - Engine: Sync - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 1.86, N = 3
343
fiomek
SE +/- 3.71, N = 3
325
suitcase
SE +/- 2.40, N = 3
323
suitcase_fio
SE +/- 2.52, N = 3
313
70
140
210
280
350
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Read - Engine: Sync - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 100.00, N = 3
22000
fiomek
SE +/- 321.46, N = 3
20500
suitcase
SE +/- 120.19, N = 3
20633
suitcase_fio
SE +/- 166.67, N = 3
20033
5K
10K
15K
20K
25K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

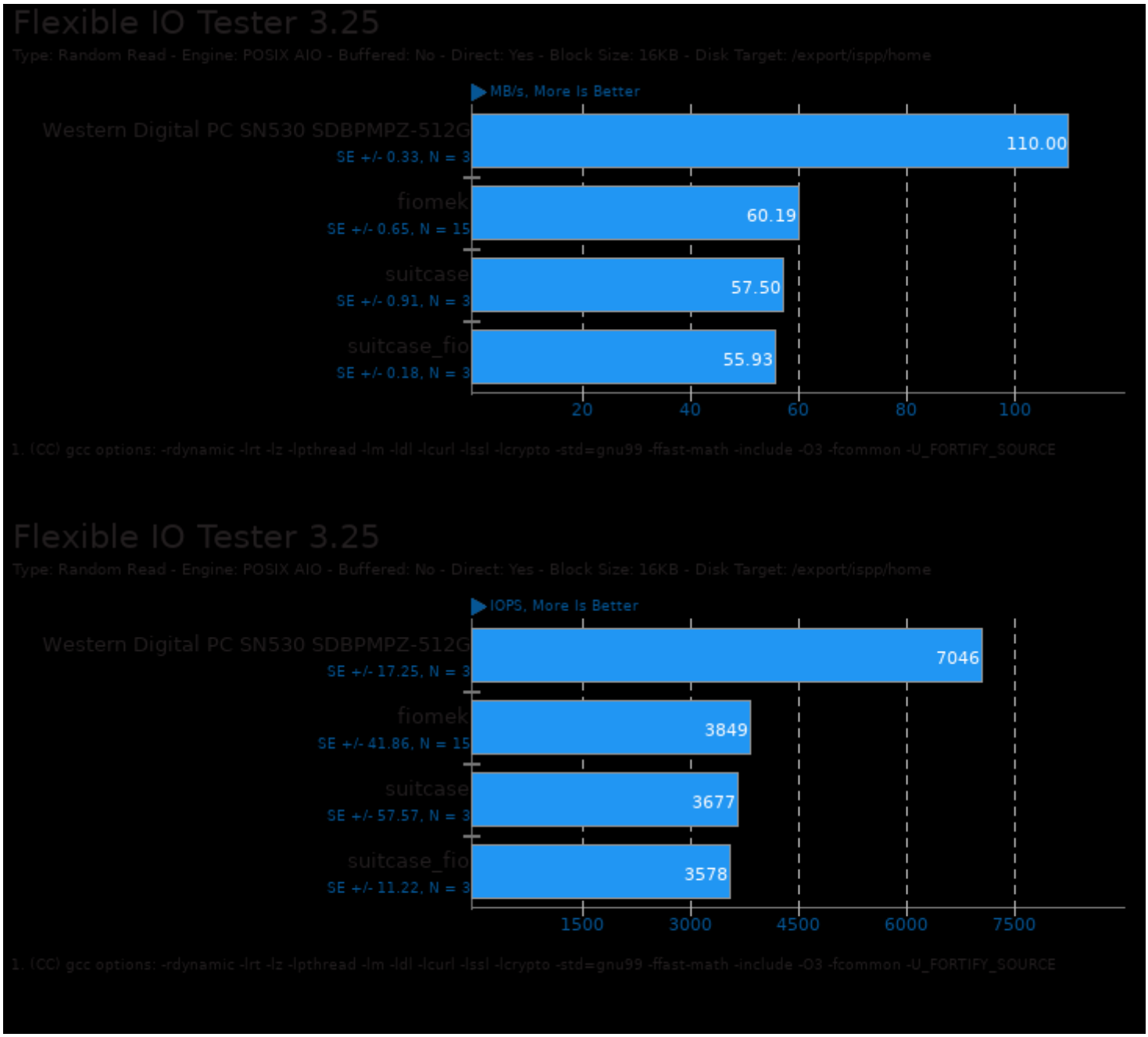
isymfio


Flexible IO Tester 3.25
Type: Sequential Write - Engine: Sync - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 0.58, N = 3
224
fiomek
SE +/- 1.33, N = 3
117
suitcase
SE +/- 2.82, N = 5
212
suitcase_fio
SE +/- 2.26, N = 7
208
50
100
150
200
250
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Write - Engine: Sync - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 33.33, N = 3
14367
fiomek
SE +/- 82.39, N = 3
7474
suitcase
SE +/- 184.39, N = 5
13600
suitcase_fio
SE +/- 244.39, N = 7
13214
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

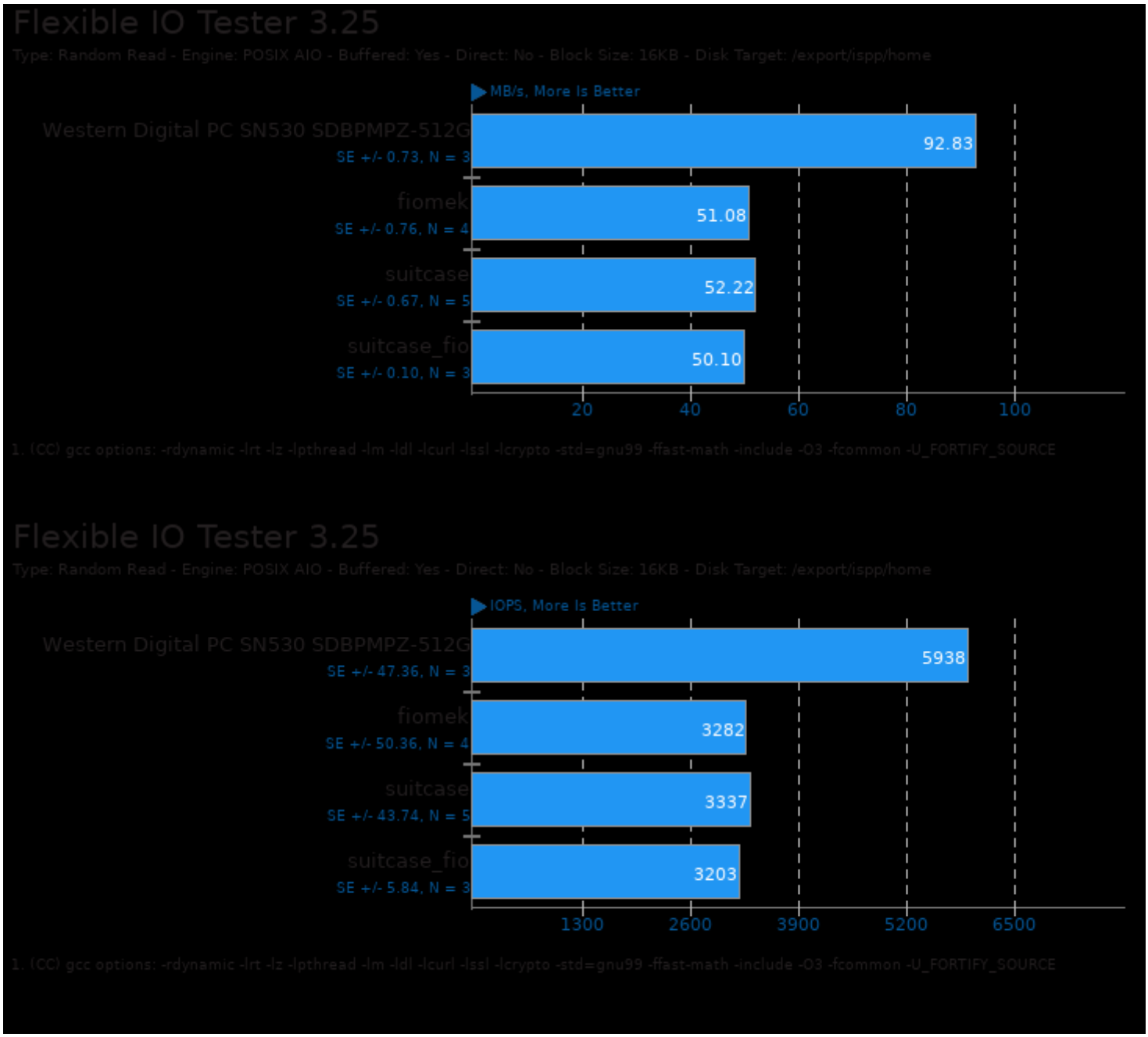
isymfio


Flexible IO Tester 3.25
Type: Random Read - Engine: IO_uring - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 4.79, N = 15
163.00
fiomek
SE +/- 7.20, N = 15
125.00
suitcase
SE +/- 0.26, N = 3
19.23
suitcase_fio
SE +/- 0.13, N = 3
19.07
40
80
120
160
200
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Read - Engine: IO_uring - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 403.16, N = 15
13867
fiomek
SE +/- 614.30, N = 15
10690
suitcase
SE +/- 24.25, N = 3
1642
suitcase_fio
SE +/- 13.67, N = 3
1627
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

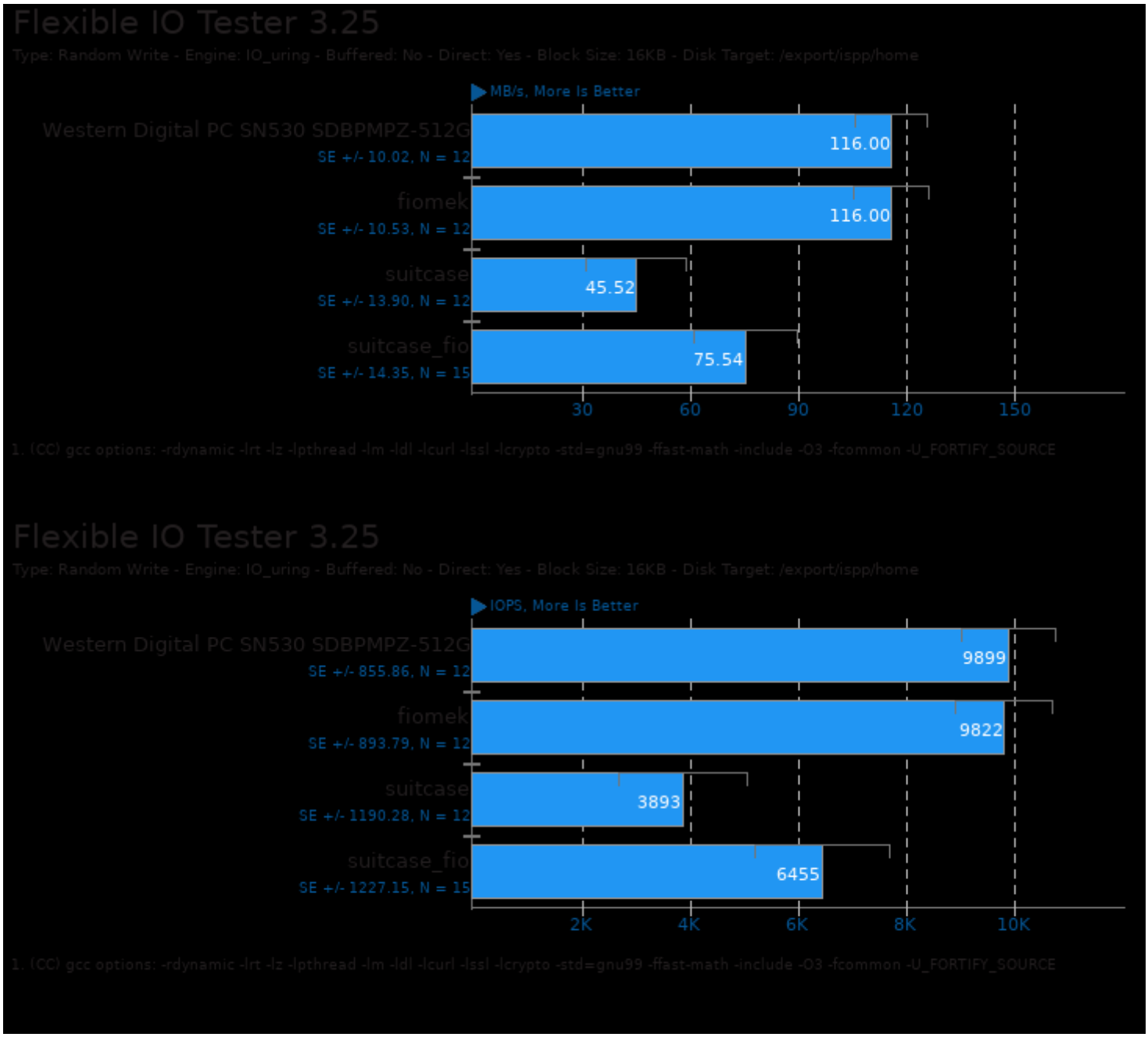
isymfio


Flexible IO Tester 3.25
Type: Random Read - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 0.33, N = 3
110.00
fiomek
SE +/- 0.65, N = 15
60.19
suitcase
SE +/- 0.91, N = 3
57.50
suitcase_fio
SE +/- 0.18, N = 3
55.93
20
40
60
80
100
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Read - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 17.25, N = 3
7046
fiomek
SE +/- 41.86, N = 15
3849
suitcase
SE +/- 57.57, N = 3
3677
suitcase_fio
SE +/- 11.22, N = 3
3578
1500
3000
4500
6000
7500
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

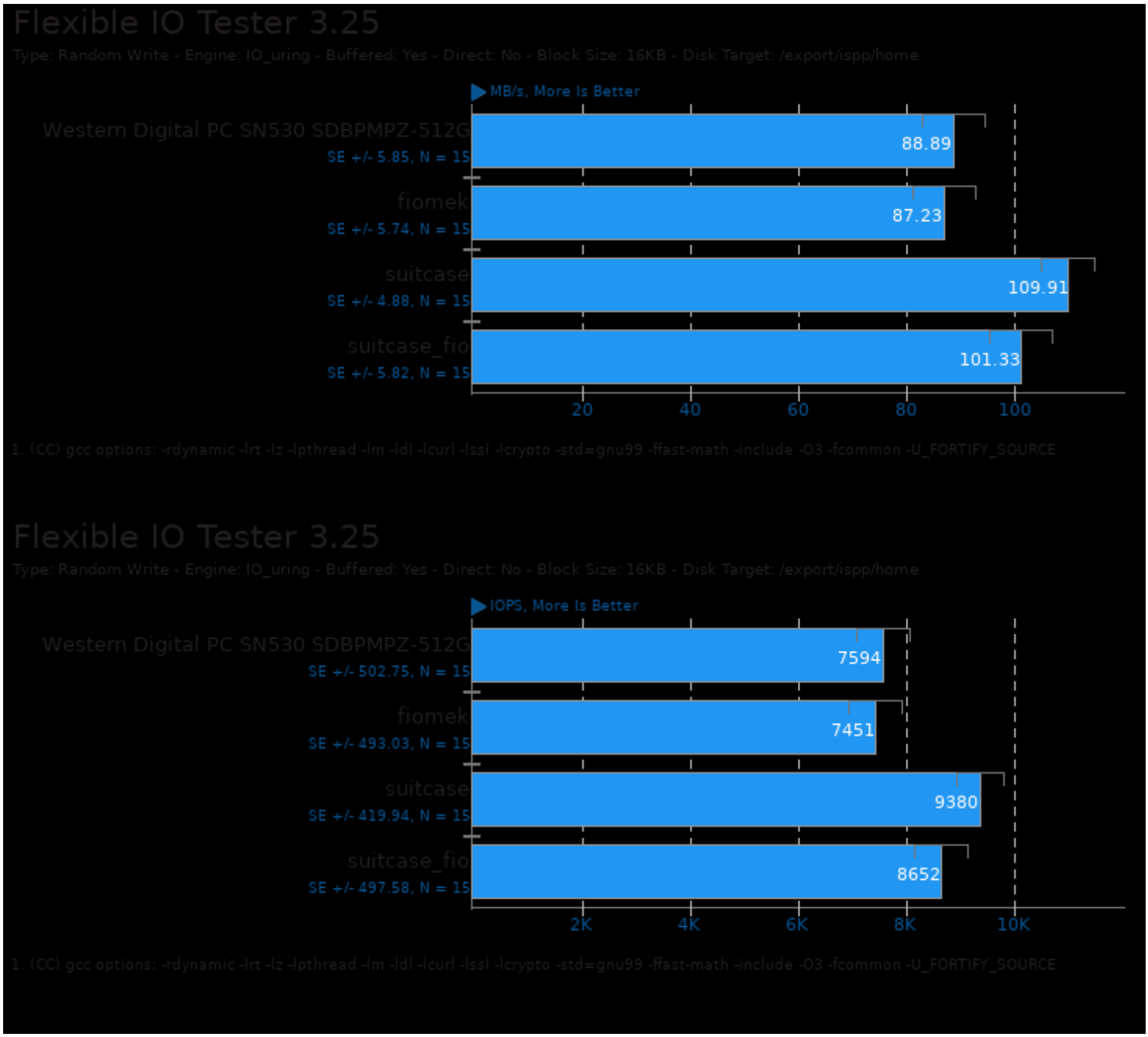
isymfio


Flexible IO Tester 3.25
Type: Random Read - Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 0.73, N = 3
92.83
fiomek
SE +/- 0.76, N = 4
51.08
suitcase
SE +/- 0.67, N = 5
52.22
suitcase_fio
SE +/- 0.10, N = 3
50.10
20
40
60
80
100
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Read - Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 47.36, N = 3
5938
fiomek
SE +/- 50.36, N = 4
3282
suitcase
SE +/- 43.74, N = 5
3337
suitcase_fio
SE +/- 5.84, N = 3
3203
1300
2600
3900
5200
6500
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

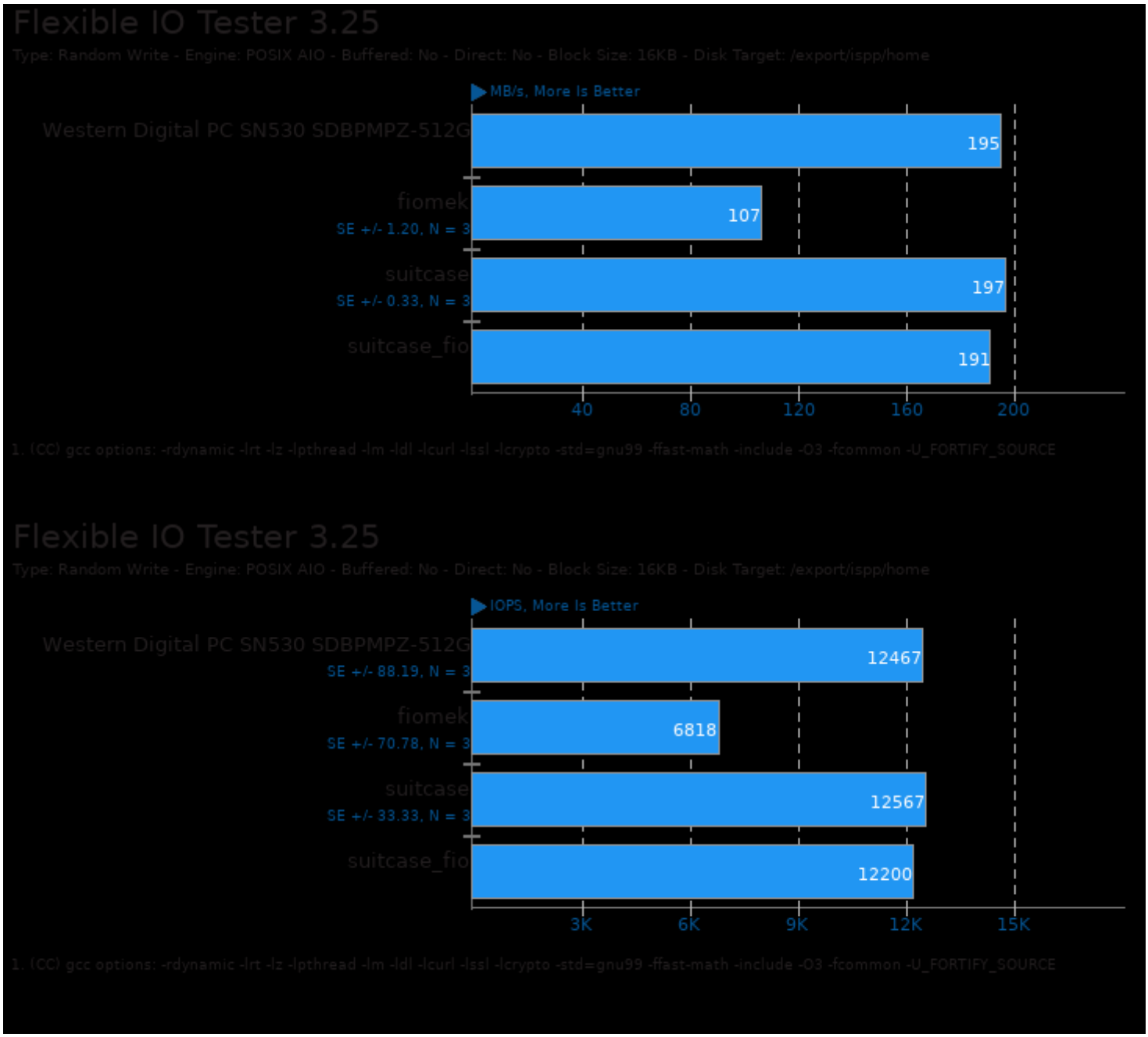
isymfio


Flexible IO Tester 3.25
Type: Random Write - Engine: IO_uring - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 10.02, N = 12
116.00
fiomek
SE +/- 10.53, N = 12
116.00
suitcase
SE +/- 13.90, N = 12
45.52
suitcase_fio
SE +/- 14.35, N = 15
75.54
30
60
90
120
150
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Write - Engine: IO_uring - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 855.86, N = 12
9899
fiomek
SE +/- 893.79, N = 12
9822
suitcase
SE +/- 1190.28, N = 12
3893
suitcase_fio
SE +/- 1227.15, N = 15
6455
2K
4K
6K
8K
10K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

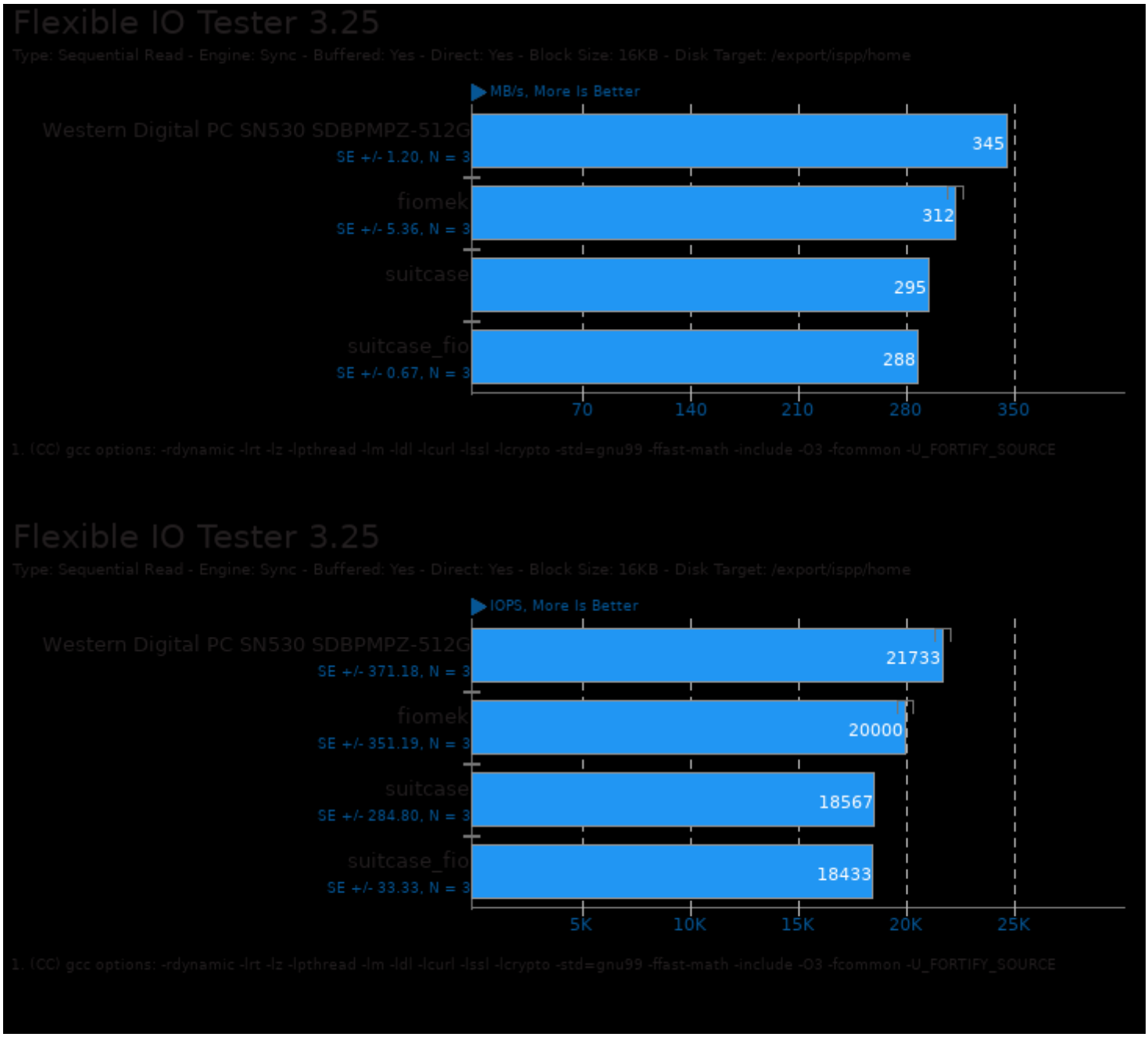
isymfio


Flexible IO Tester 3.25
Type: Random Write - Engine: IO_uring - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 5.85, N = 15
88.89
fiomek
SE +/- 5.74, N = 15
87.23
suitcase
SE +/- 4.88, N = 15
109.91
suitcase_fio
SE +/- 5.82, N = 15
101.33
20
40
60
80
100
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Write - Engine: IO_uring - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 502.75, N = 15
7594
fiomek
SE +/- 493.03, N = 15
7451
suitcase
SE +/- 419.94, N = 15
9380
suitcase_fio
SE +/- 497.58, N = 15
8652
2K
4K
6K
8K
10K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

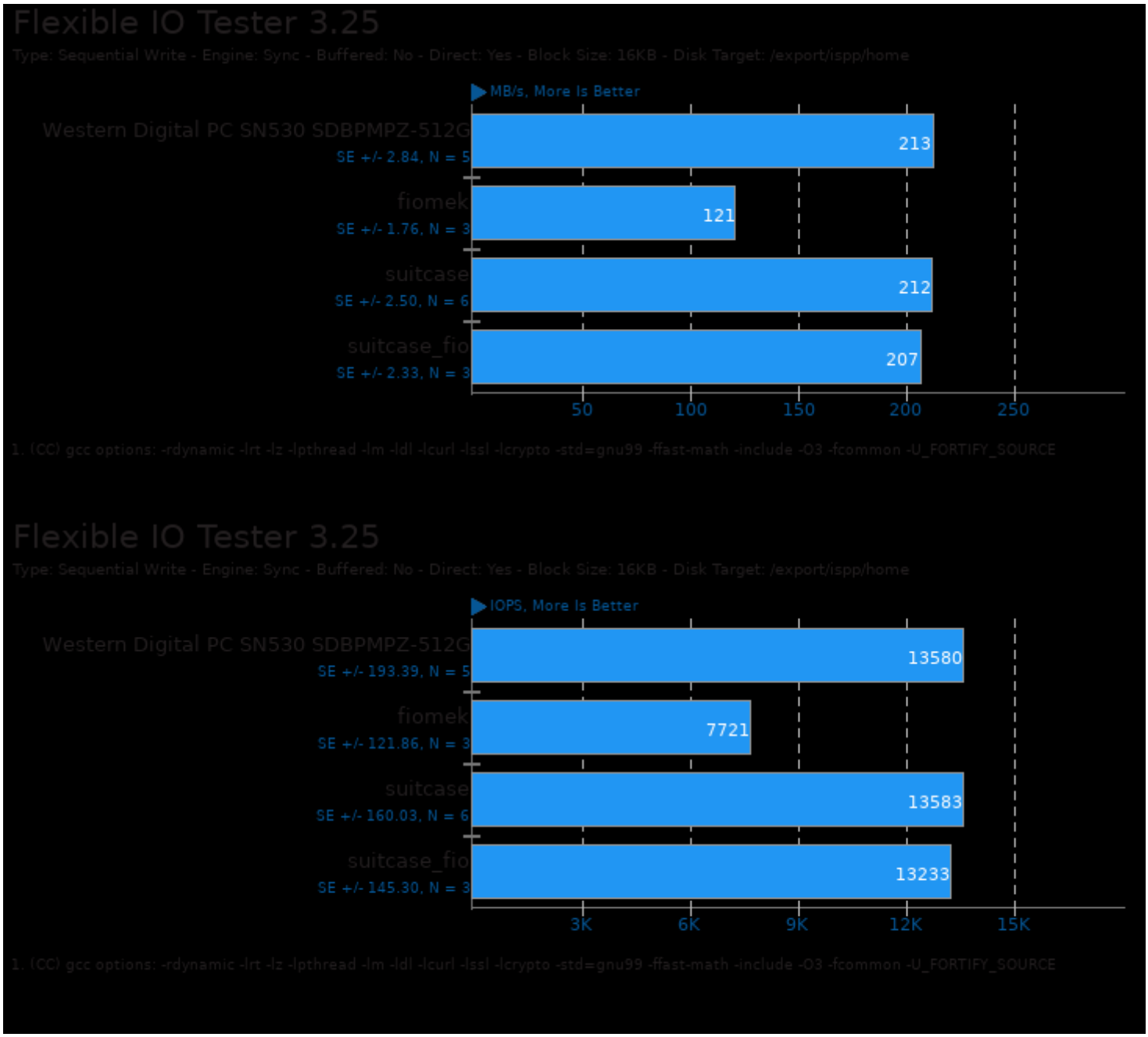
isymfio


Flexible IO Tester 3.25
Type: Random Write - Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
195
fiomek
SE +/- 1.20, N = 3
107
suitcase
SE +/- 0.33, N = 3
197
suitcase_fio
191
40
80
120
160
200
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Write - Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 88.19, N = 3
12467
fiomek
SE +/- 70.78, N = 3
6818
suitcase
SE +/- 33.33, N = 3
12567
suitcase_fio
12200
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

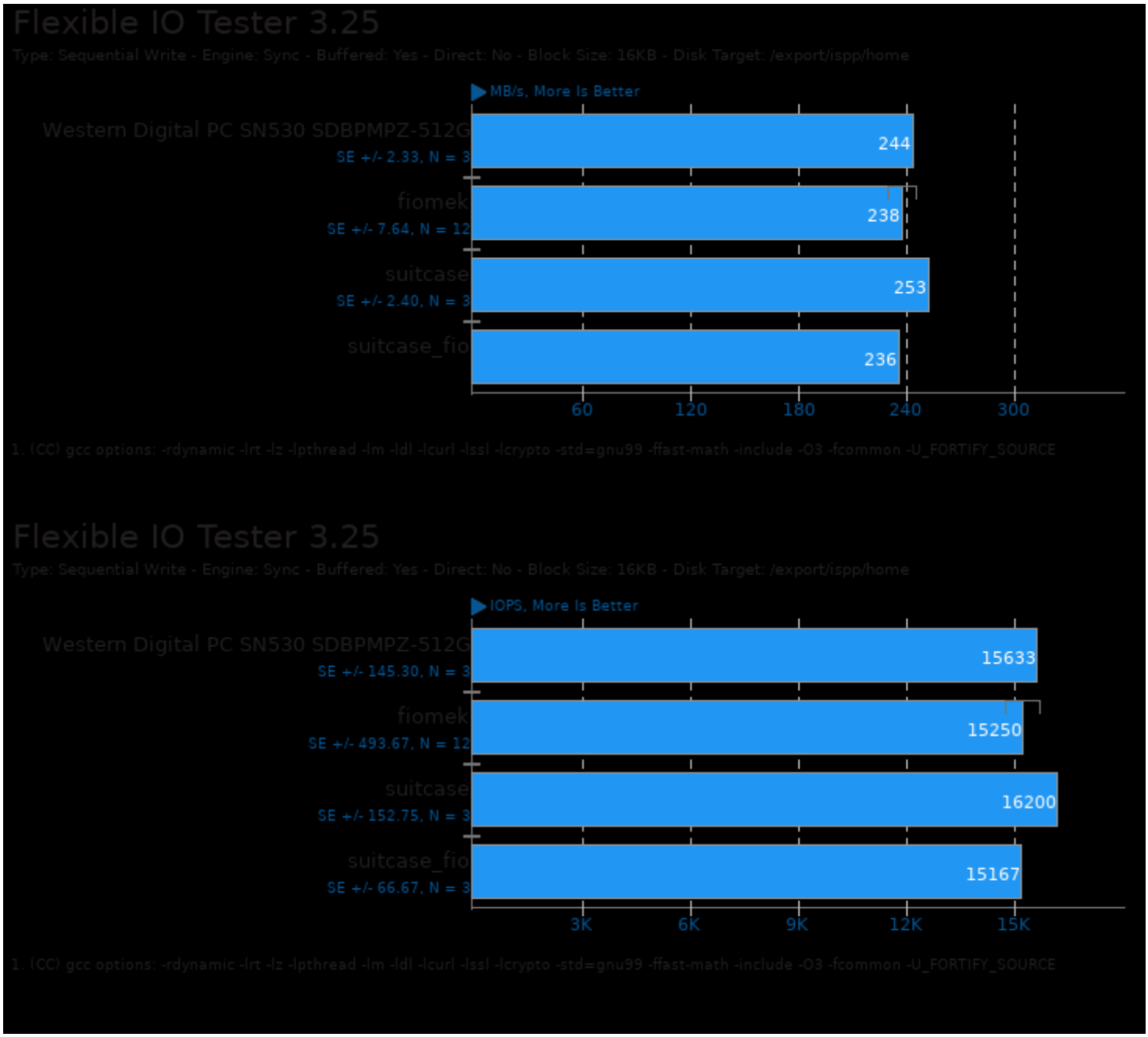
isymfio


Flexible IO Tester 3.25
Type: Sequential Read - Engine: Sync - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 1.20, N = 3
345
fiomek
SE +/- 5.36, N = 3
312
suitcase
295
suitcase_fio
SE +/- 0.67, N = 3
288
70
140
210
280
350
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Read - Engine: Sync - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 371.18, N = 3
21733
fiomek
SE +/- 351.19, N = 3
20000
suitcase
SE +/- 284.80, N = 3
18567
suitcase_fio
SE +/- 33.33, N = 3
18433
5K
10K
15K
20K
25K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

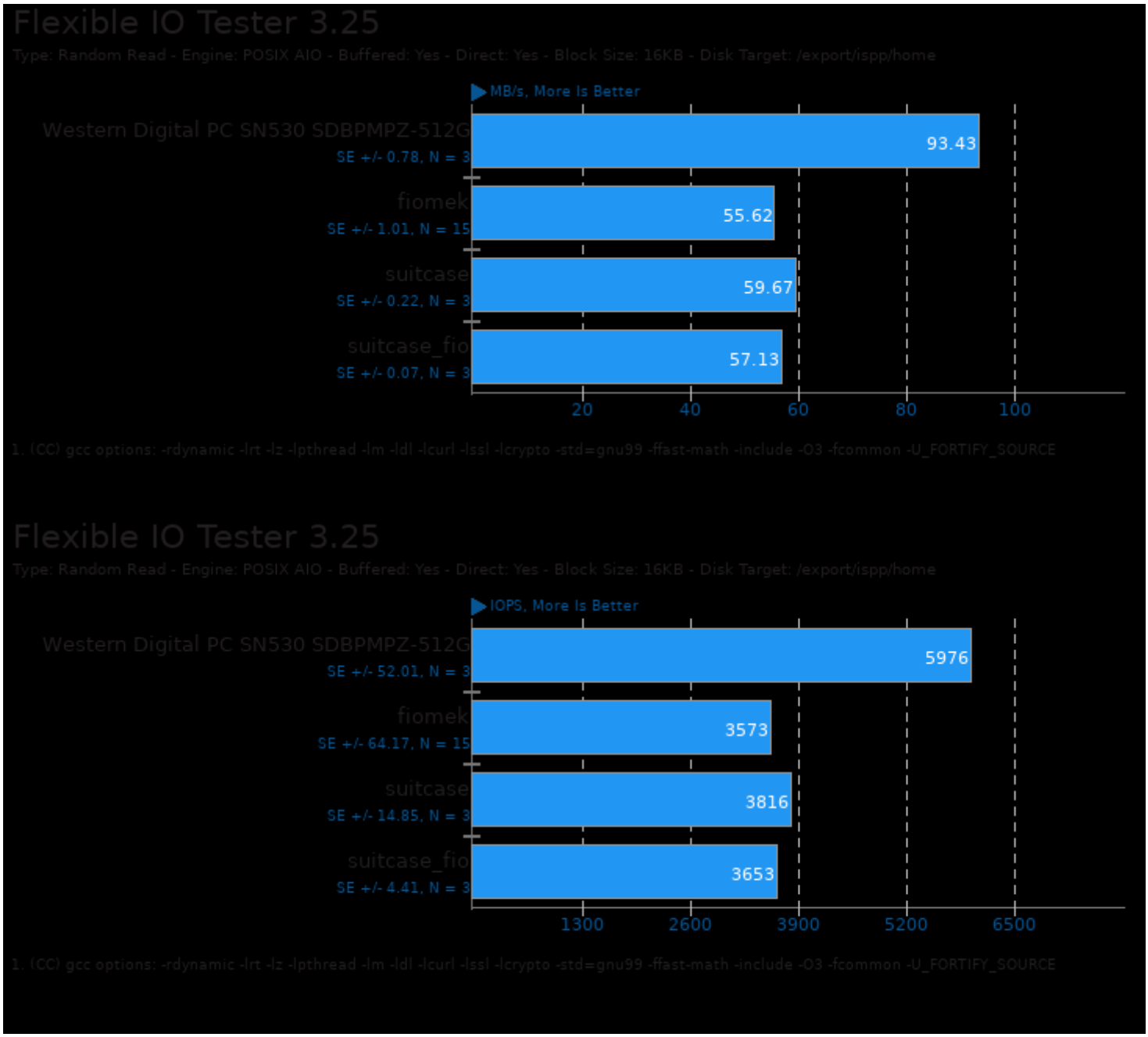
isymfio


Flexible IO Tester 3.25
Type: Sequential Write - Engine: Sync - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 2.84, N = 5
213
fiomek
SE +/- 1.76, N = 3
121
suitcase
SE +/- 2.50, N = 6
212
suitcase_fio
SE +/- 2.33, N = 3
207
50
100
150
200
250
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Write - Engine: Sync - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 193.39, N = 5
13580
fiomek
SE +/- 121.86, N = 3
7721
suitcase
SE +/- 160.03, N = 6
13583
suitcase_fio
SE +/- 145.30, N = 3
13233
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

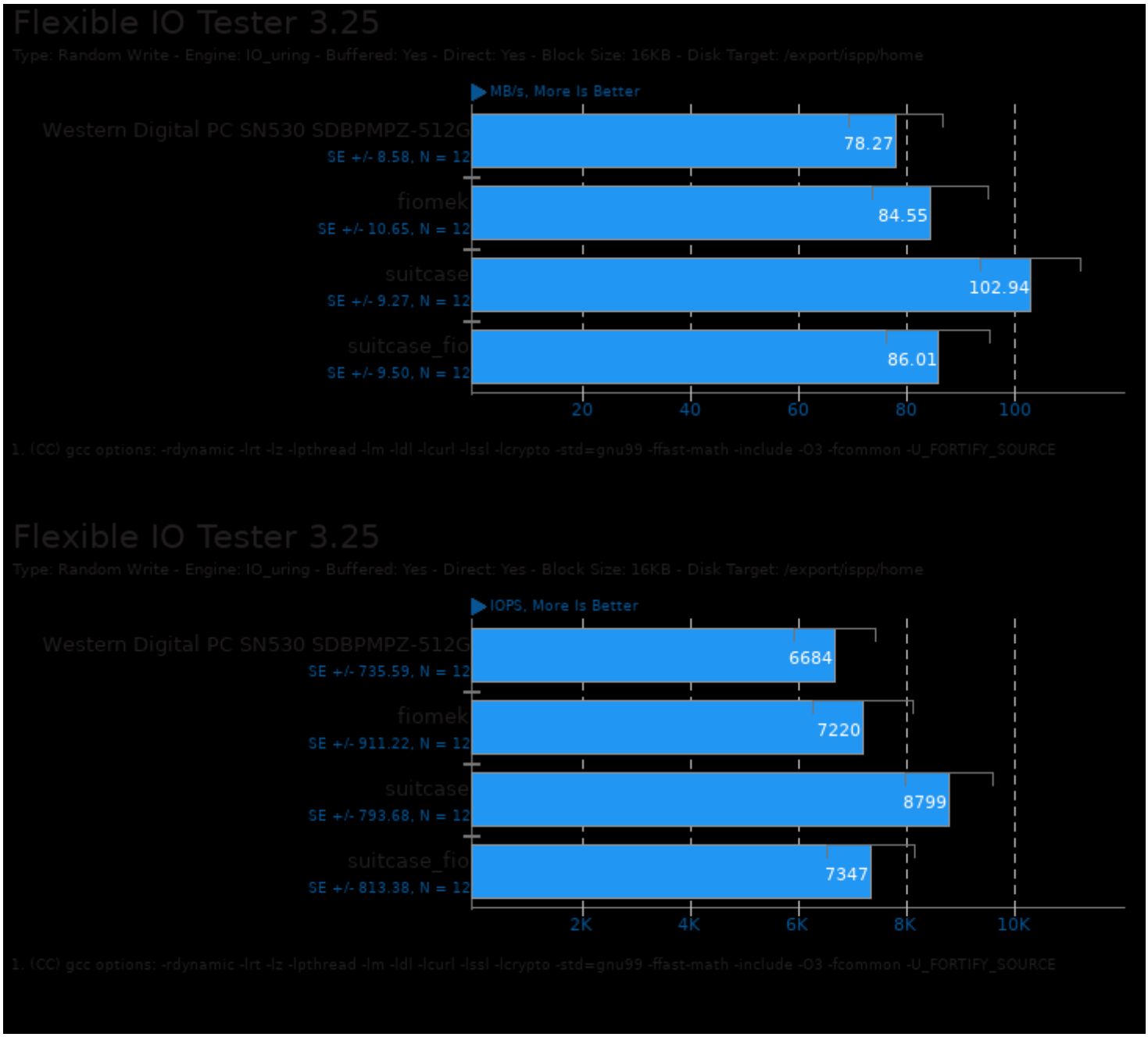
isymfio


Flexible IO Tester 3.25
Type: Sequential Write - Engine: Sync - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 2.33, N = 3
244
fiomek
SE +/- 7.64, N = 12
238
suitcase
SE +/- 2.40, N = 3
253
suitcase_fio
236
60
120
180
240
300
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Write - Engine: Sync - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 145.30, N = 3
15633
fiomek
SE +/- 493.67, N = 12
15250
suitcase
SE +/- 152.75, N = 3
16200
suitcase_fio
SE +/- 66.67, N = 3
15167
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

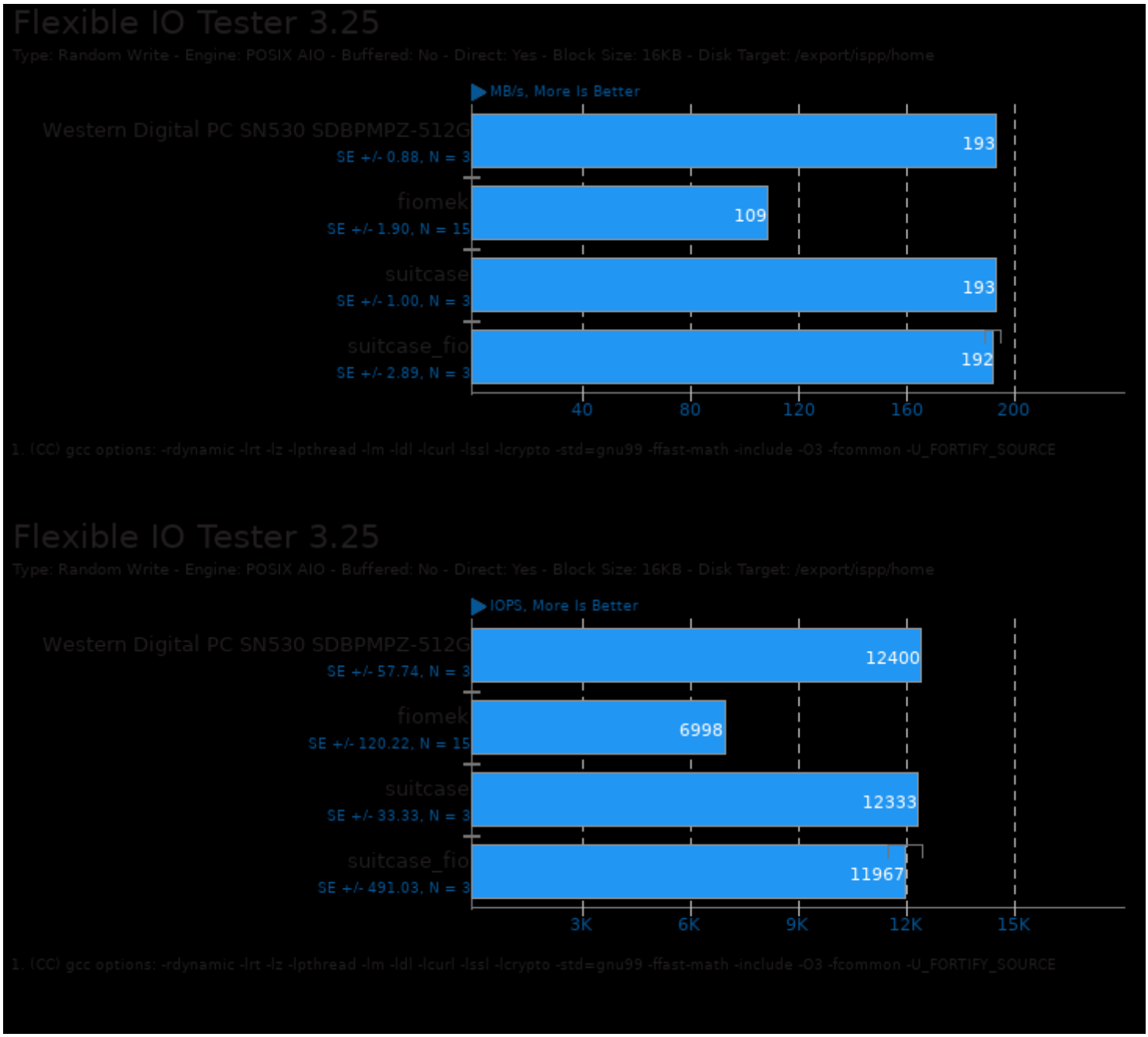
isymfio


Flexible IO Tester 3.25
Type: Random Read - Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 0.78, N = 3
93.43
fiomek
SE +/- 1.01, N = 15
55.62
suitcase
SE +/- 0.22, N = 3
59.67
suitcase_fio
SE +/- 0.07, N = 3
57.13
20
40
60
80
100
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Read - Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 52.01, N = 3
5976
fiomek
SE +/- 64.17, N = 15
3573
suitcase
SE +/- 14.85, N = 3
3816
suitcase_fio
SE +/- 4.41, N = 3
3653
1300
2600
3900
5200
6500
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

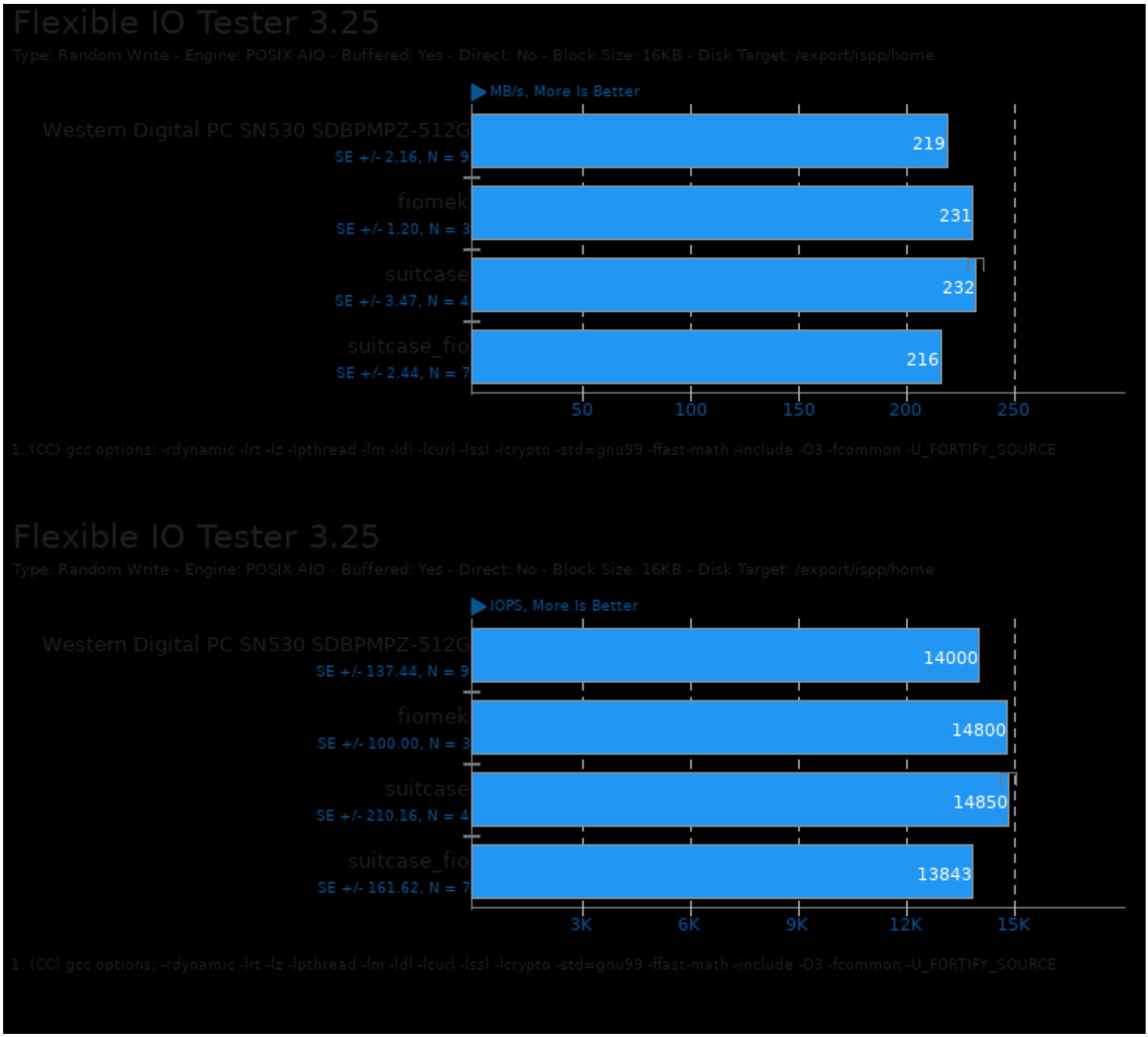
isymfio


Flexible IO Tester 3.25
Type: Random Write - Engine: IO_uring - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 8.58, N = 12
78.27
fiomek
SE +/- 10.65, N = 12
84.55
suitcase
SE +/- 9.27, N = 12
102.94
suitcase_fio
SE +/- 9.50, N = 12
86.01
20
40
60
80
100
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Write - Engine: IO_uring - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 735.59, N = 12
6684
fiomek
SE +/- 911.22, N = 12
7220
suitcase
SE +/- 793.68, N = 12
8799
suitcase_fio
SE +/- 813.38, N = 12
7347
2K
4K
6K
8K
10K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

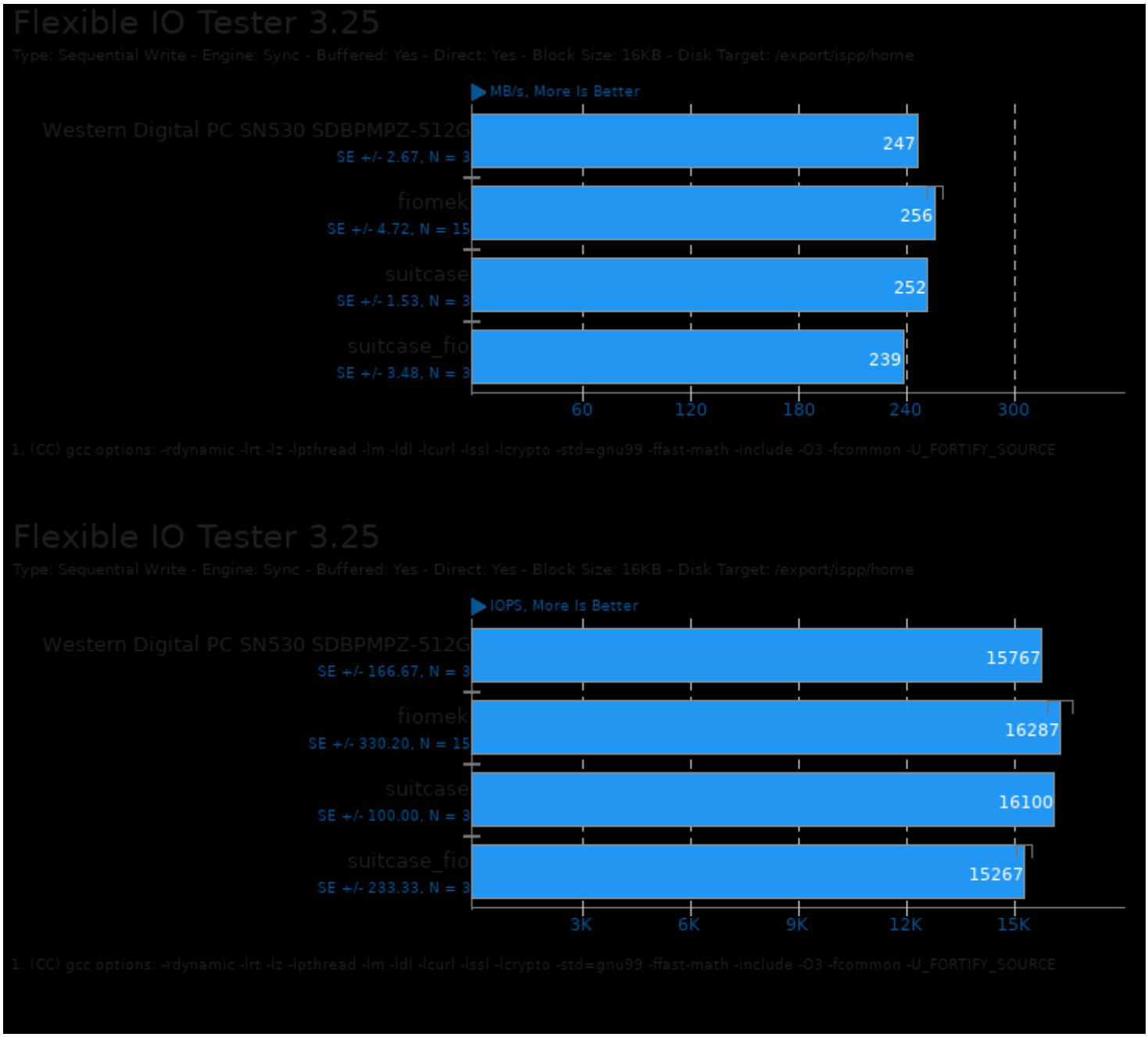
isymfio


Flexible IO Tester 3.25
Type: Random Write - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 0.88, N = 3
193
fiomek
SE +/- 1.90, N = 15
109
suitcase
SE +/- 1.00, N = 3
193
suitcase_fio
SE +/- 2.89, N = 3
192
40
80
120
160
200
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Write - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 57.74, N = 3
12400
fiomek
SE +/- 120.22, N = 15
6998
suitcase
SE +/- 33.33, N = 3
12333
suitcase_fio
SE +/- 491.03, N = 3
11967
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

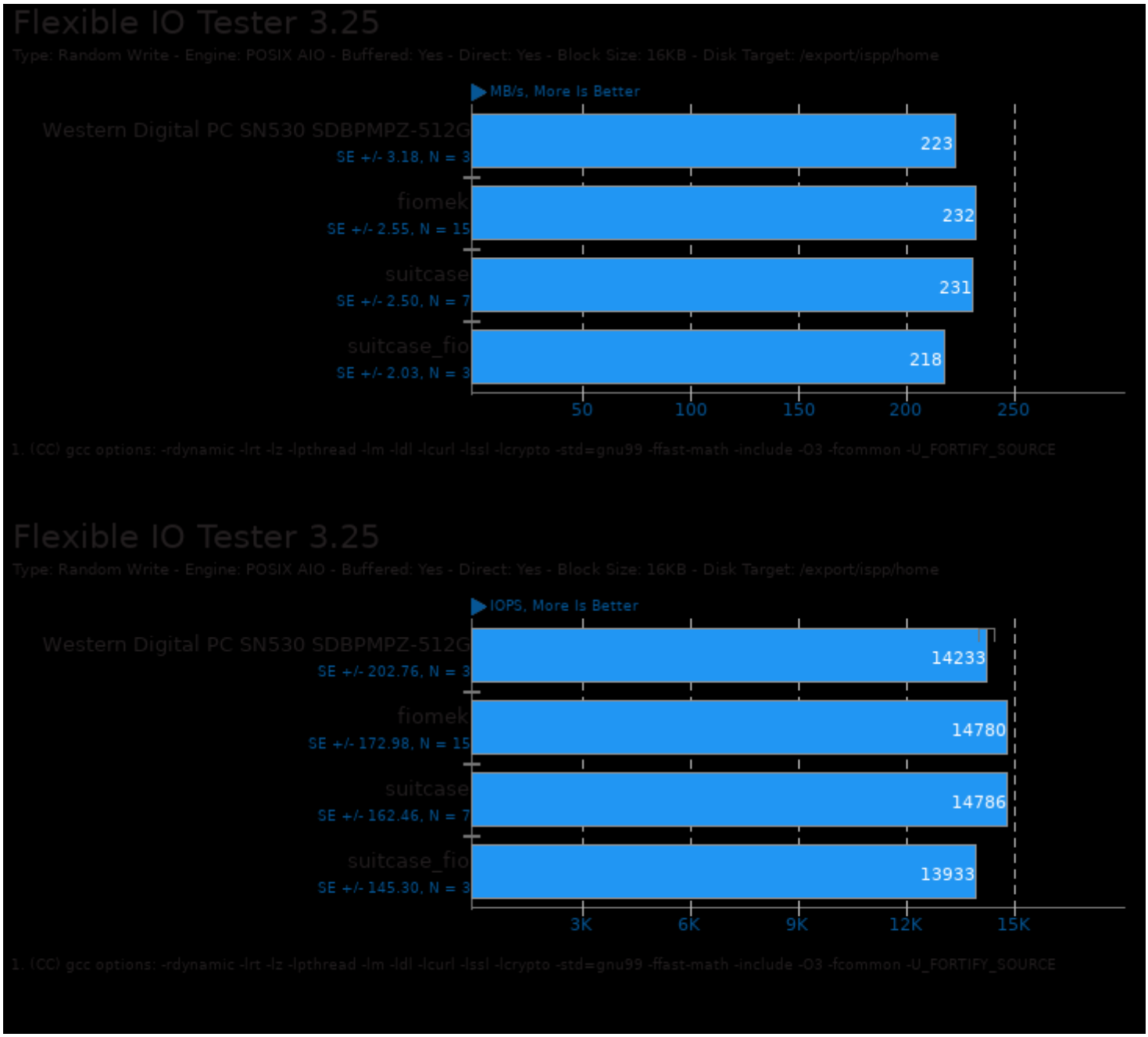
isymfio


Flexible IO Tester 3.25
Type: Random Write - Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 2.16, N = 9
219
fiomek
SE +/- 1.20, N = 3
231
suitcase
SE +/- 3.47, N = 4
232
suitcase_fio
SE +/- 2.44, N = 7
216
50
100
150
200
250
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Write - Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 137.44, N = 9
14000
fiomek
SE +/- 100.00, N = 3
14800
suitcase
SE +/- 210.16, N = 4
14850
suitcase_fio
SE +/- 161.62, N = 7
13843
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

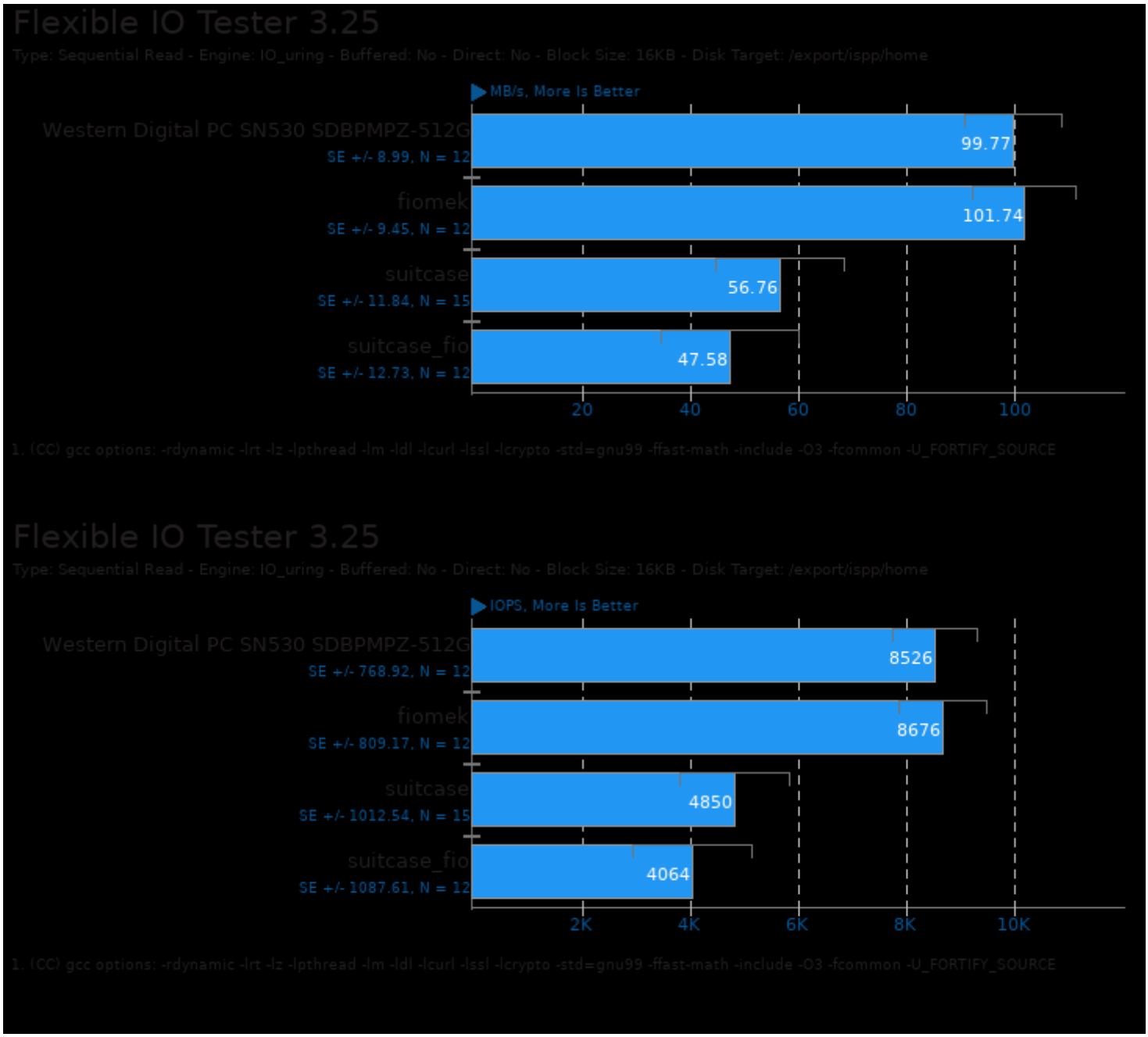
isymfio


Flexible IO Tester 3.25
Type: Sequential Write - Engine: Sync - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 2.67, N = 3
247
fiomek
SE +/- 4.72, N = 15
256
suitcase
SE +/- 1.53, N = 3
252
suitcase_fio
SE +/- 3.48, N = 3
239
60
120
180
240
300
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Write - Engine: Sync - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 166.67, N = 3
15767
fiomek
SE +/- 330.20, N = 15
16287
suitcase
SE +/- 100.00, N = 3
16100
suitcase_fio
SE +/- 233.33, N = 3
15267
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

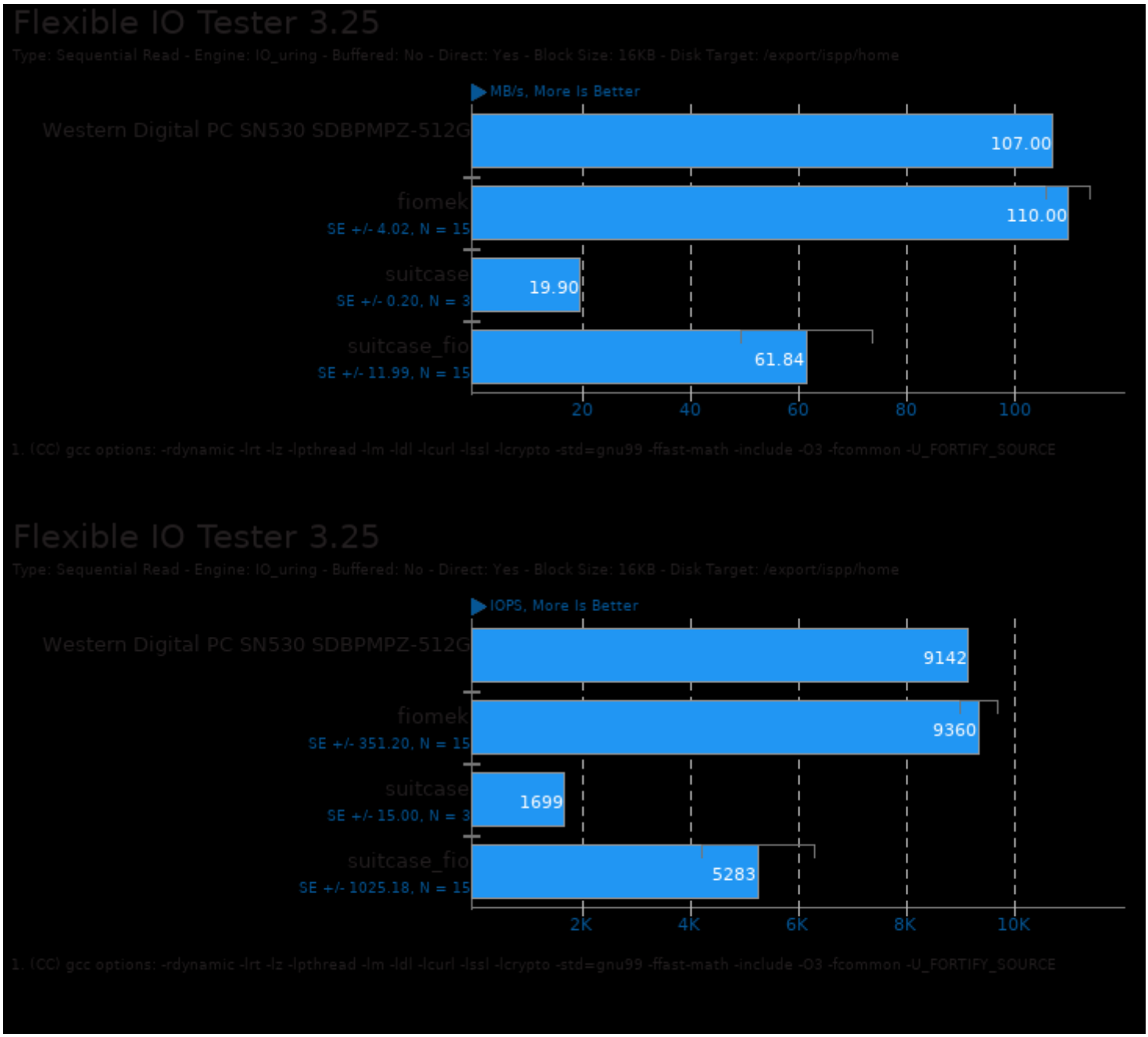
isymfio


Flexible IO Tester 3.25
Type: Random Write - Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 3.18, N = 3
223
fiomek
SE +/- 2.55, N = 15
232
suitcase
SE +/- 2.50, N = 7
231
suitcase_fio
SE +/- 2.03, N = 3
218
50
100
150
200
250
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Random Write - Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 202.76, N = 3
14233
fiomek
SE +/- 172.98, N = 15
14780
suitcase
SE +/- 162.46, N = 7
14786
suitcase_fio
SE +/- 145.30, N = 3
13933
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

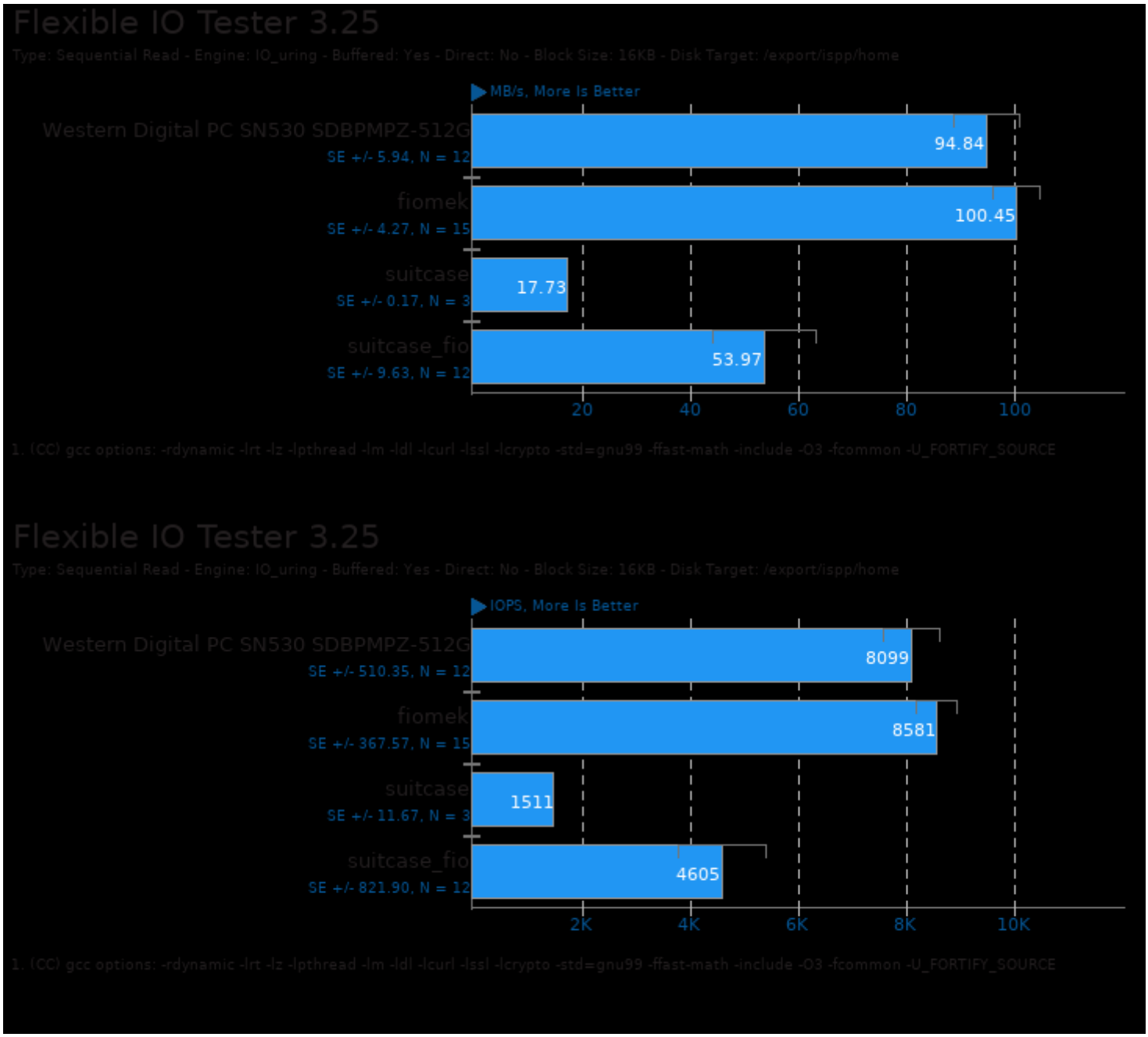
isymfio


Flexible IO Tester 3.25
Type: Sequential Read - Engine: IO_uring - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 8.99, N = 12
99.77
fiomek
SE +/- 9.45, N = 12
101.74
suitcase
SE +/- 11.84, N = 15
56.76
suitcase_fio
SE +/- 12.73, N = 12
47.58
20
40
60
80
100
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Read - Engine: IO_uring - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 768.92, N = 12
8526
fiomek
SE +/- 809.17, N = 12
8676
suitcase
SE +/- 1012.54, N = 15
4850
suitcase_fio
SE +/- 1087.61, N = 12
4064
2K
4K
6K
8K
10K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

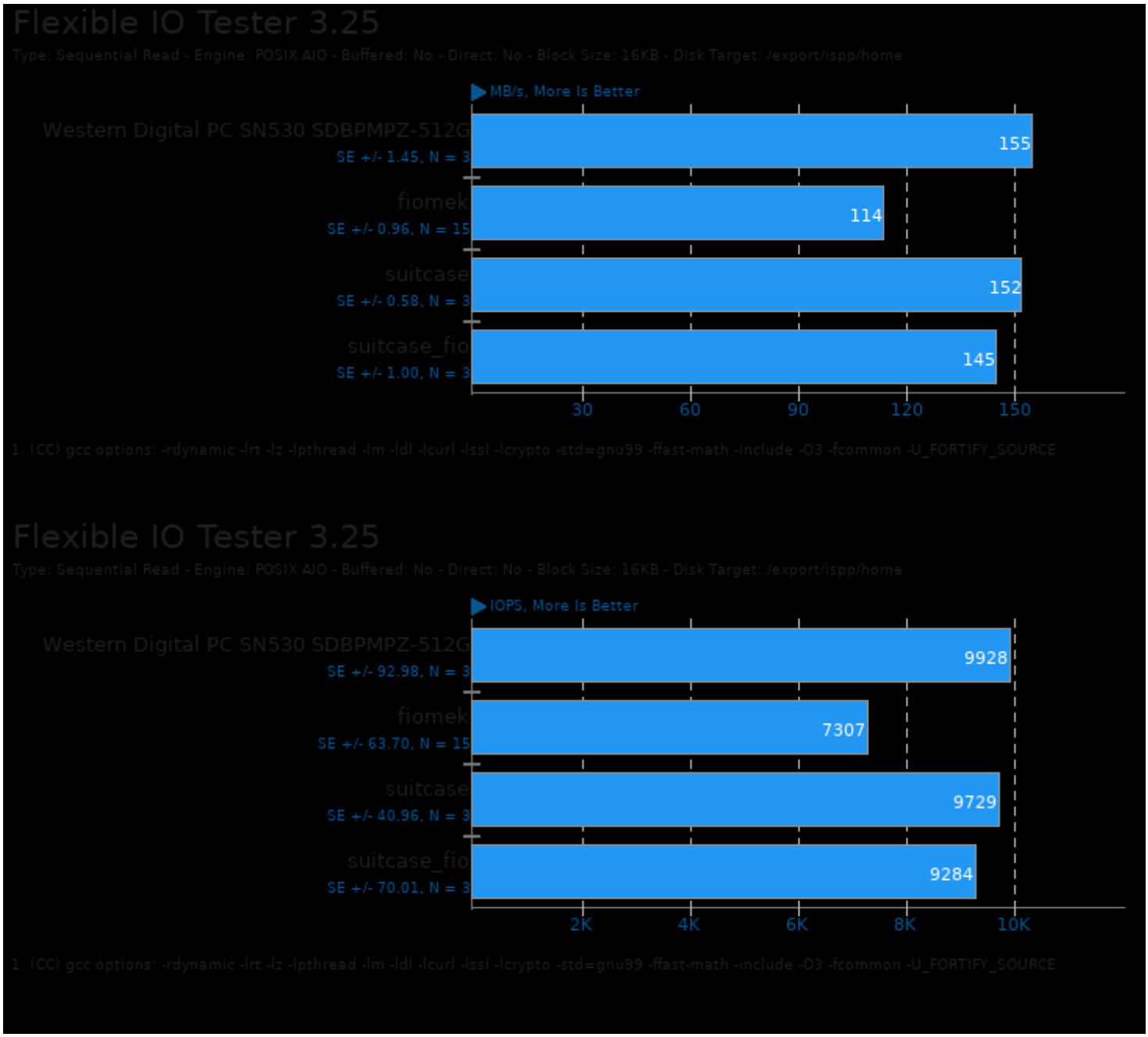
isymfio


Flexible IO Tester 3.25
Type: Sequential Read - Engine: IO_uring - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
107.00
fiomek
SE +/- 4.02, N = 15
110.00
suitcase
SE +/- 0.20, N = 3
19.90
suitcase_fio
SE +/- 11.99, N = 15
61.84
20
40
60
80
100
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Read - Engine: IO_uring - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
9142
fiomek
SE +/- 351.20, N = 15
9360
suitcase
SE +/- 15.00, N = 3
1699
suitcase_fio
SE +/- 1025.18, N = 15
5283
2K
4K
6K
8K
10K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

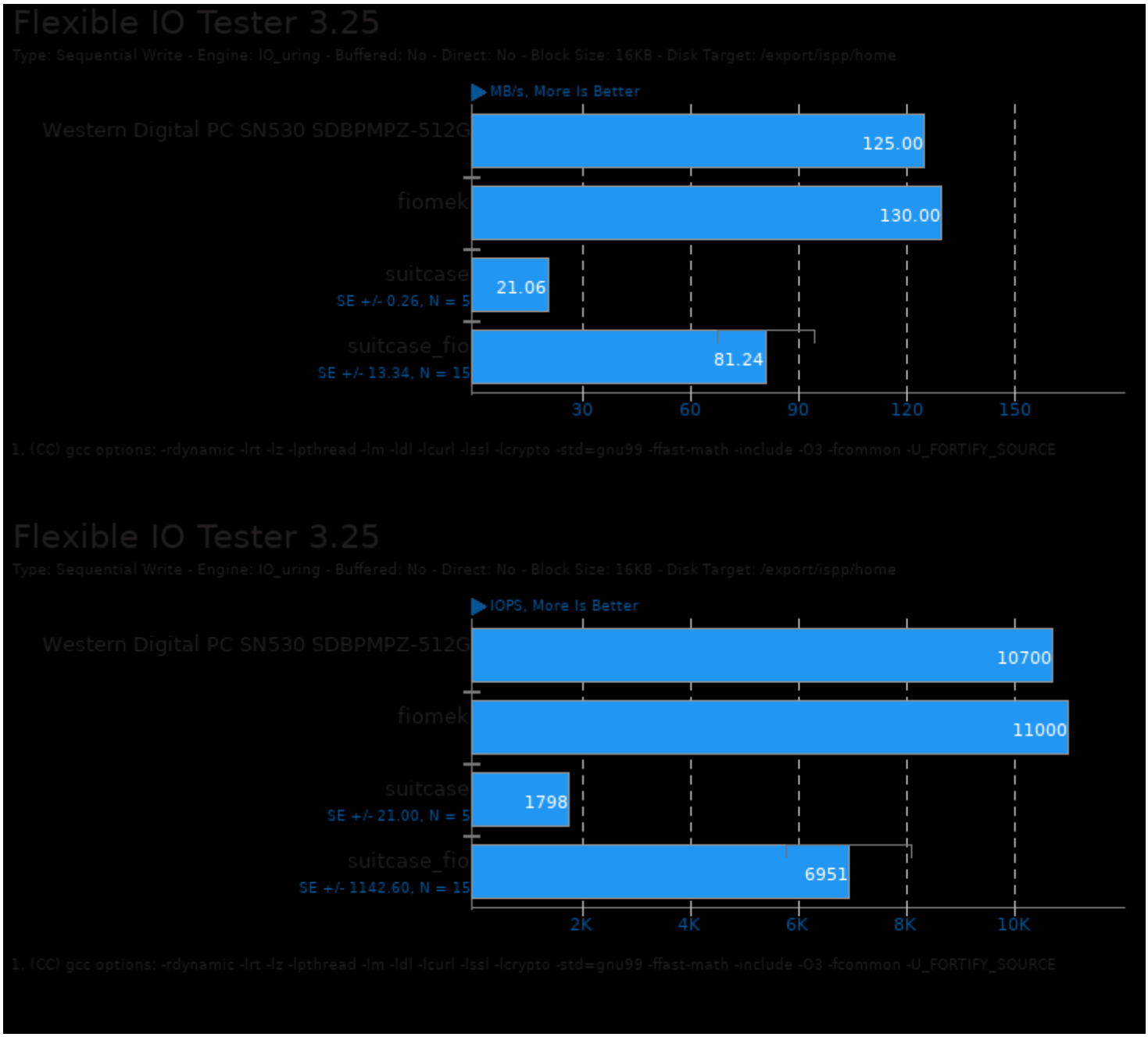
isymfio


Flexible IO Tester 3.25
Type: Sequential Read - Engine: IO_uring - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 5.94, N = 12
94.84
fiomek
SE +/- 4.27, N = 15
100.45
suitcase
SE +/- 0.17, N = 3
17.73
suitcase_fio
SE +/- 9.63, N = 12
53.97
20
40
60
80
100
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Read - Engine: IO_uring - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 510.35, N = 12
8099
fiomek
SE +/- 367.57, N = 15
8581
suitcase
SE +/- 11.67, N = 3
1511
suitcase_fio
SE +/- 821.90, N = 12
4605
2K
4K
6K
8K
10K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

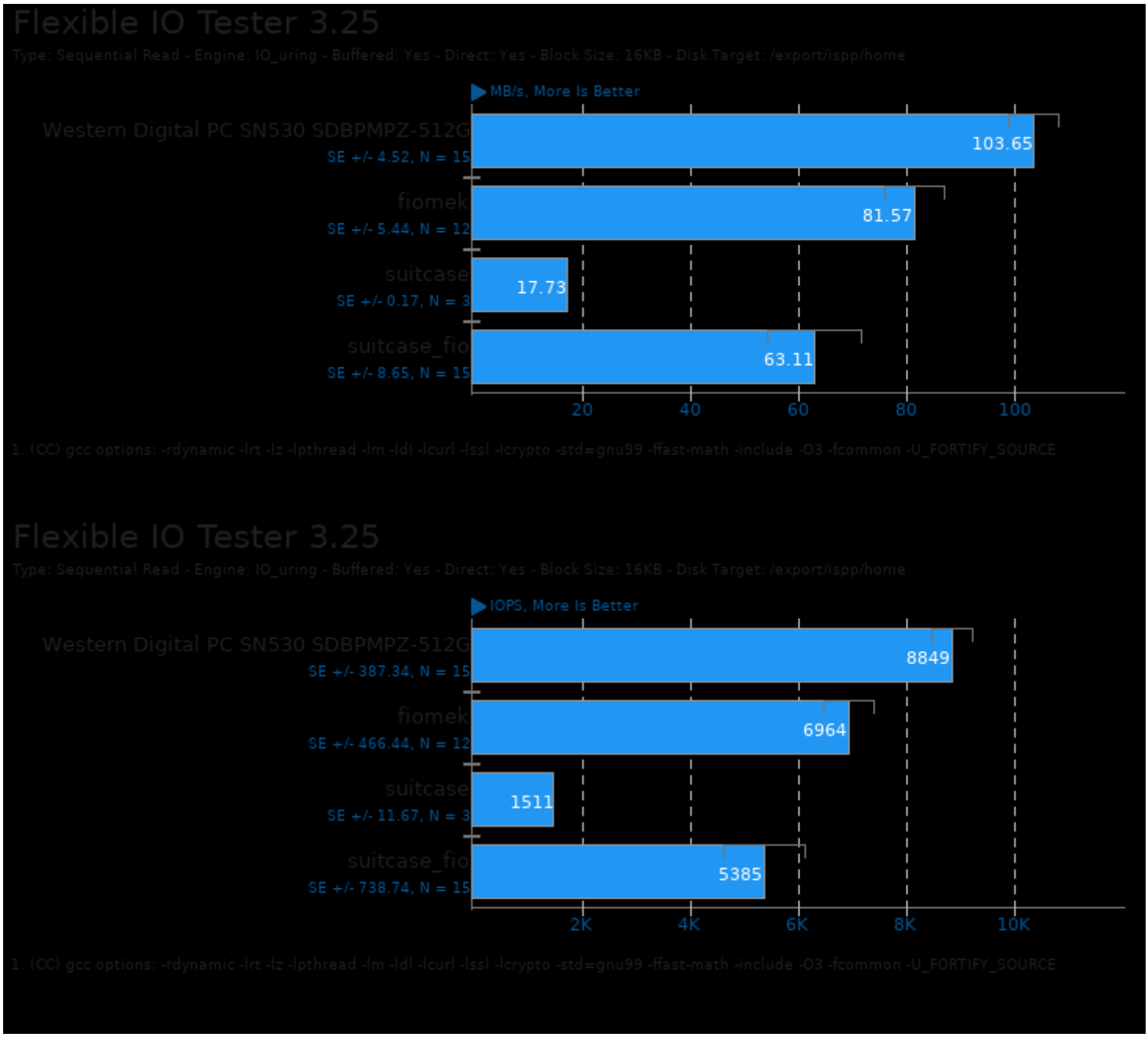
isymfio


Flexible IO Tester 3.25
Type: Sequential Read - Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 1.45, N = 3
155
fiomek
SE +/- 0.96, N = 15
114
suitcase
SE +/- 0.58, N = 3
152
suitcase_fio
SE +/- 1.00, N = 3
145
30
60
90
120
150
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Read - Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 92.98, N = 3
9928
fiomek
SE +/- 63.70, N = 15
7307
suitcase
SE +/- 40.96, N = 3
9729
suitcase_fio
SE +/- 70.01, N = 3
9284
2K
4K
6K
8K
10K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

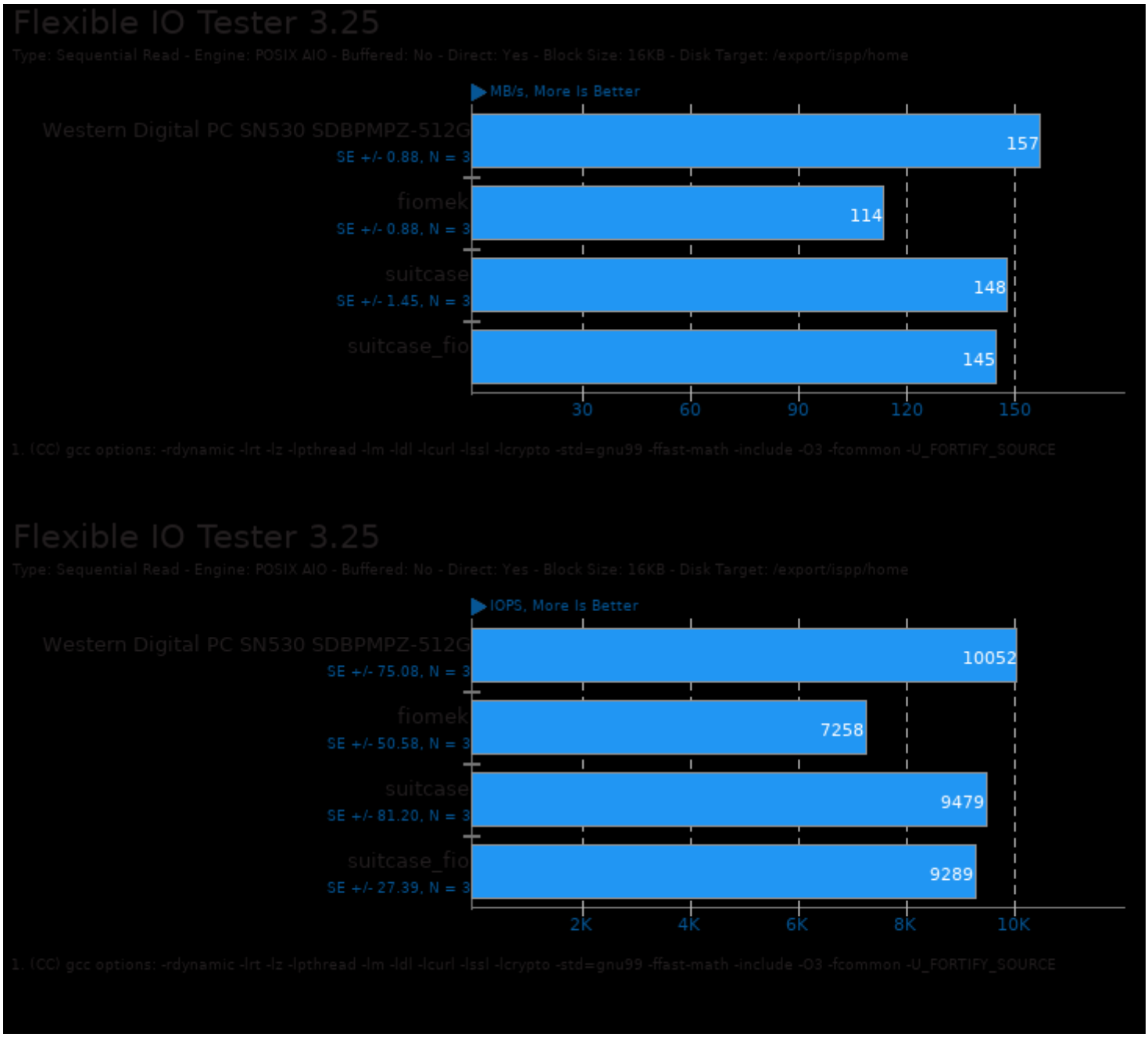
isymfio


Flexible IO Tester 3.25
Type: Sequential Write - Engine: IO_uring - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
125.00
fiomek
130.00
suitcase
SE +/- 0.26, N = 5
21.06
suitcase_fio
SE +/- 13.34, N = 15
81.24
30
60
90
120
150
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Write - Engine: IO_uring - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
10700
fiomek
11000
suitcase
SE +/- 21.00, N = 5
1798
suitcase_fio
SE +/- 1142.60, N = 15
6951
2K
4K
6K
8K
10K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

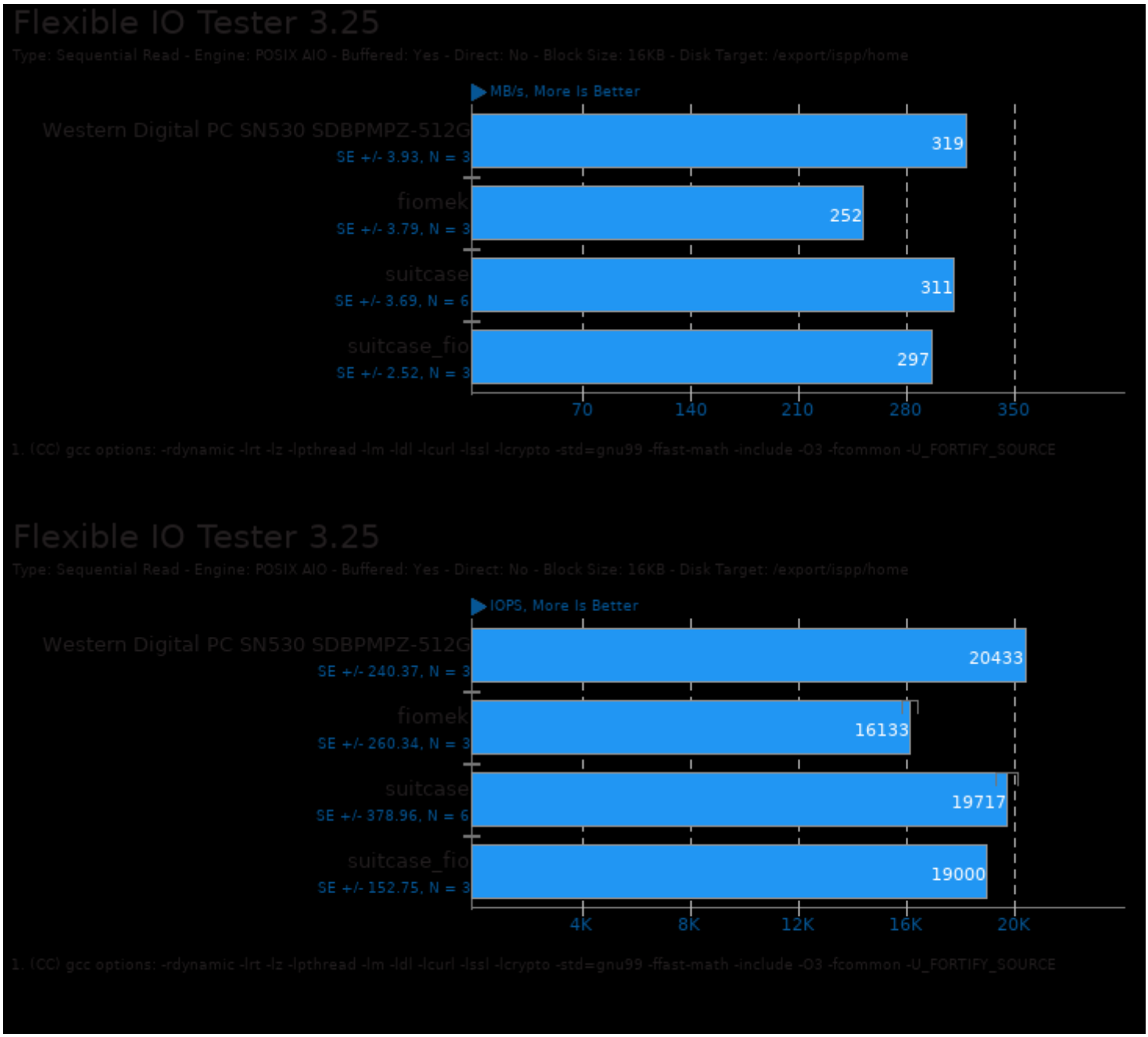
isymfio


Flexible IO Tester 3.25
Type: Sequential Read - Engine: IO_uring - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 4.52, N = 15
103.65
fiomek
SE +/- 5.44, N = 12
81.57
suitcase
SE +/- 0.17, N = 3
17.73
suitcase_fio
SE +/- 8.65, N = 15
63.11
20
40
60
80
100
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Read - Engine: IO_uring - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 387.34, N = 15
8849
fiomek
SE +/- 466.44, N = 12
6964
suitcase
SE +/- 11.67, N = 3
1511
suitcase_fio
SE +/- 738.74, N = 15
5385
2K
4K
6K
8K
10K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

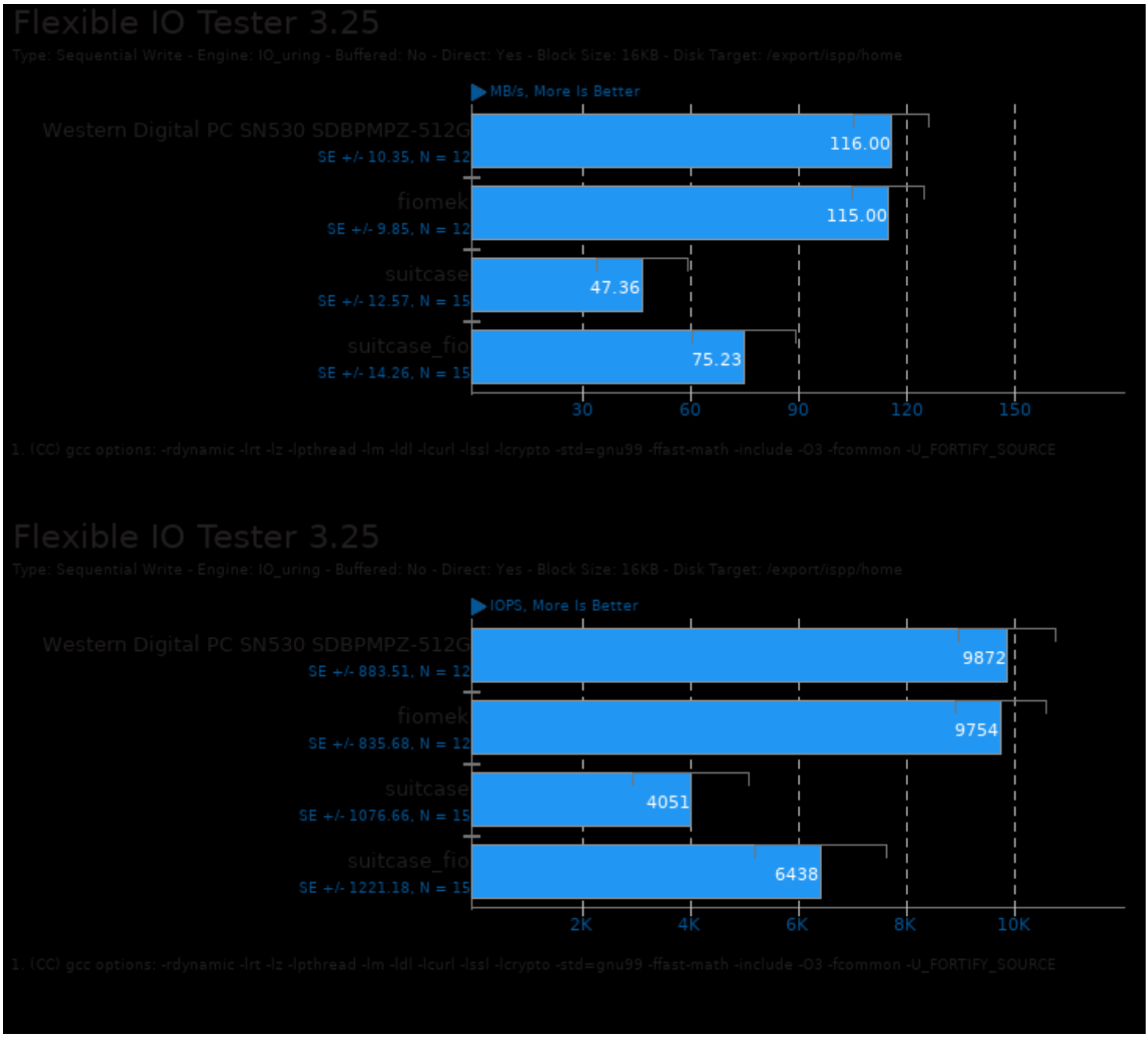
isymfio

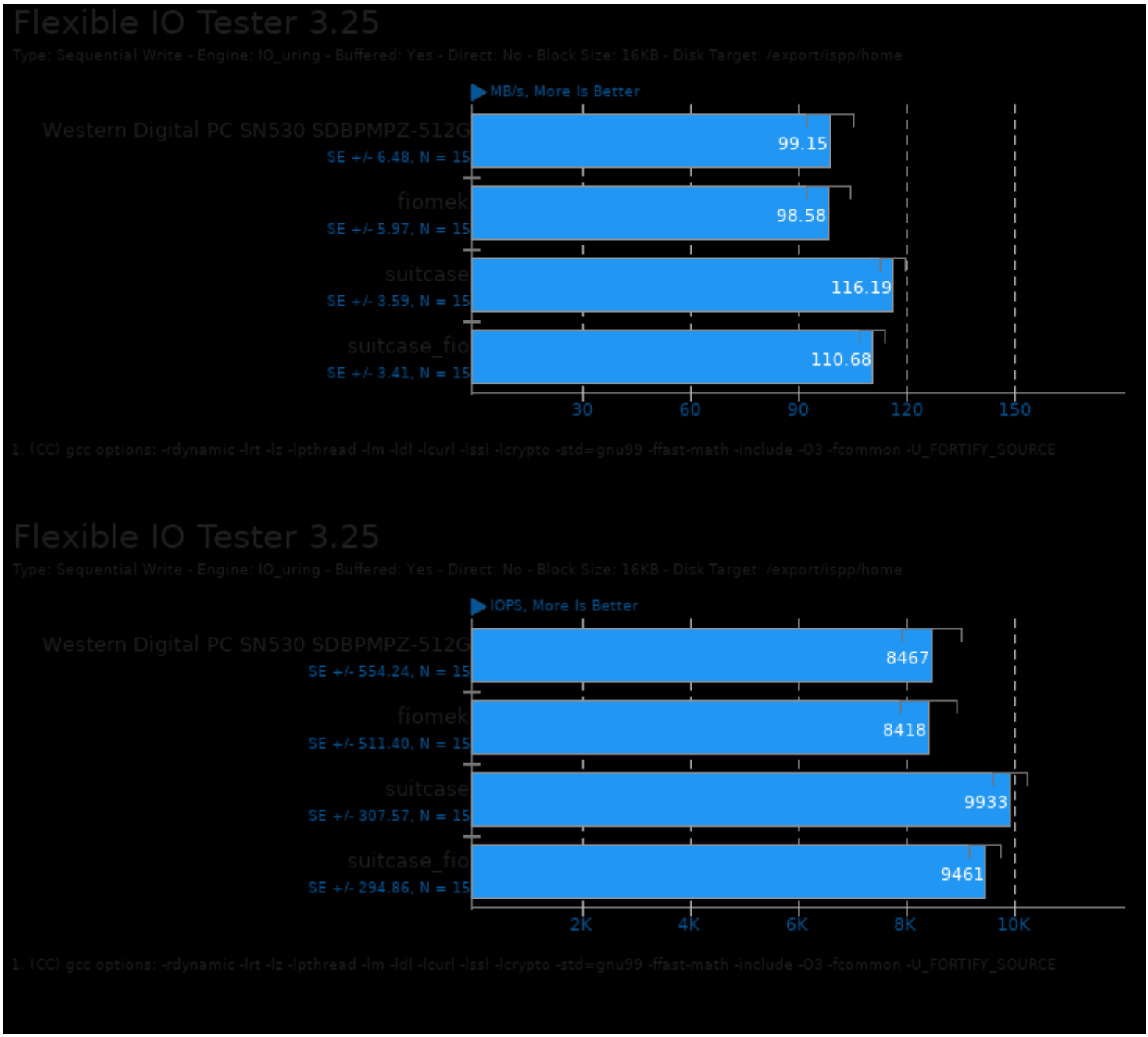

Flexible IO Tester 3.25
Type: Sequential Read - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 0.88, N = 3
157
fiomek
SE +/- 0.88, N = 3
114
suitcase
SE +/- 1.45, N = 3
148
suitcase_fio
SE +/- 1.45, N = 3
145
30
60
90
120
150
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Read - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 75.08, N = 3
10052
fiomek
SE +/- 50.58, N = 3
7258
suitcase
SE +/- 81.20, N = 3
9479
suitcase_fio
SE +/- 27.39, N = 3
9289
2K
4K
6K
8K
10K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

isymfio

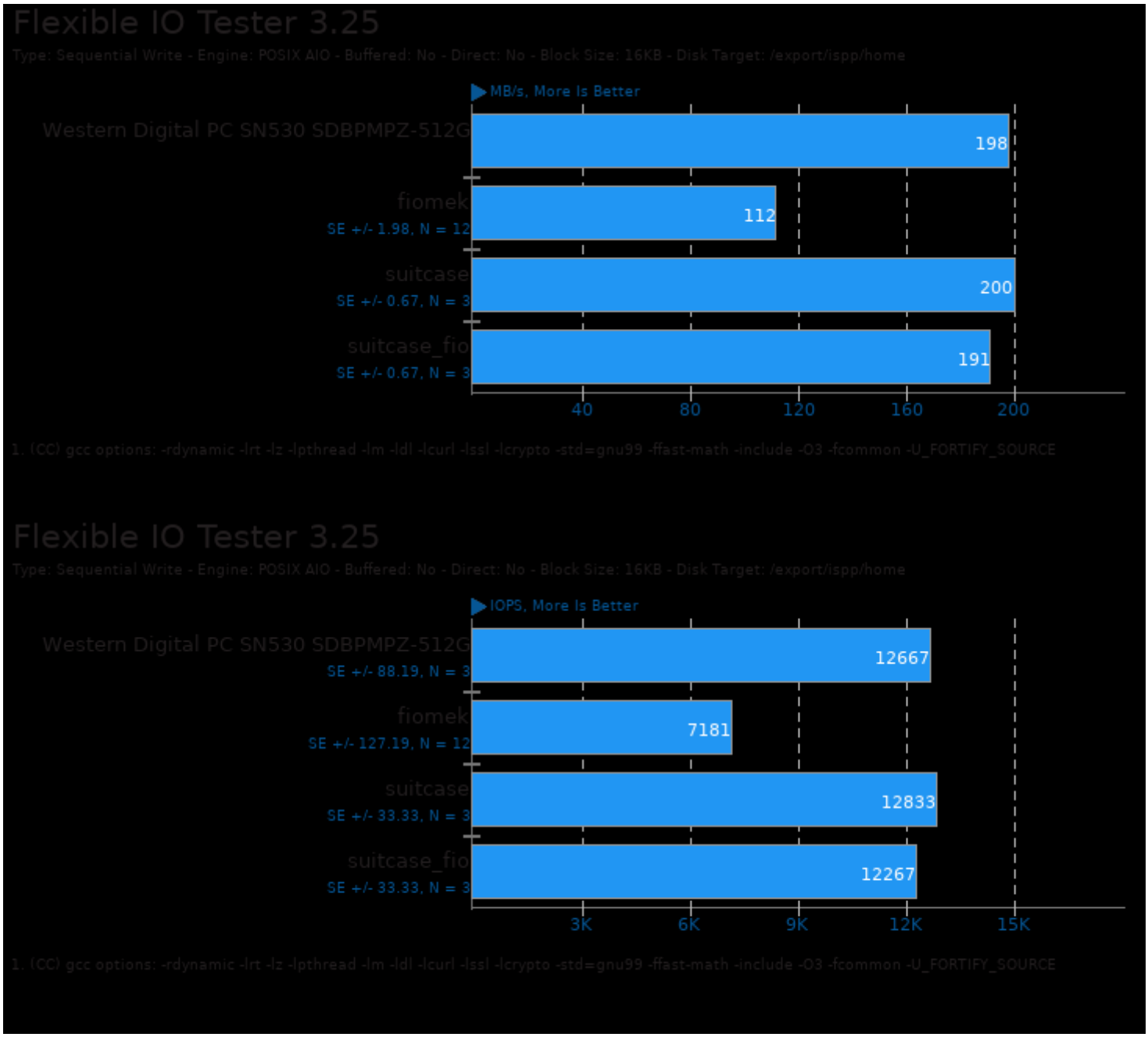

Flexible IO Tester 3.25
Type: Sequential Read - Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 3.93, N = 3
319
fiomek
SE +/- 3.79, N = 3
252
suitcase
SE +/- 3.69, N = 6
311
suitcase_fio
SE +/- 2.52, N = 3
297
70
140
210
280
350
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Read - Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 240.37, N = 3
20433
fiomek
SE +/- 260.34, N = 3
16133
suitcase
SE +/- 378.96, N = 6
19717
suitcase_fio
SE +/- 152.75, N = 3
19000
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

isymfio

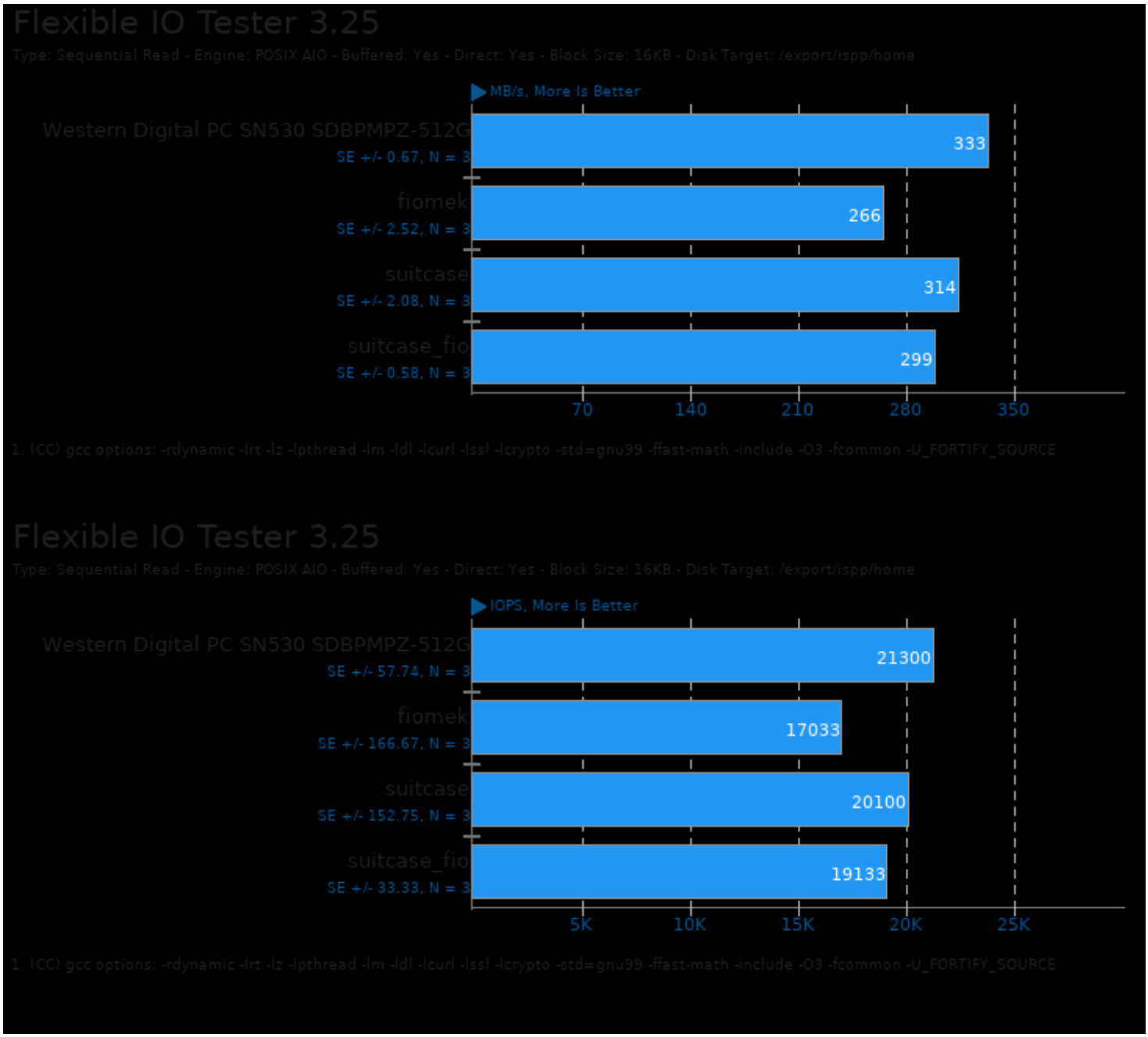

Flexible IO Tester 3.25
Type: Sequential Write - Engine: IO_uring - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 10.35, N = 12
116.00
fiomek
SE +/- 9.85, N = 12
115.00
suitcase
SE +/- 12.57, N = 15
47.36
suitcase_fio
SE +/- 14.26, N = 15
75.23
30
60
90
120
150
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Write - Engine: IO_uring - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 883.51, N = 12
9872
fiomek
SE +/- 835.68, N = 12
9754
suitcase
SE +/- 1076.66, N = 15
4051
suitcase_fio
SE +/- 1221.18, N = 15
6438
2K
4K
6K
8K
10K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE


Flexible IO Tester 3.25
Type: Sequential Write - Engine: IO_uring - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 6.48, N = 15
99.15
fiomek
SE +/- 5.97, N = 15
98.58
suitcase
SE +/- 3.59, N = 15
116.19
suitcase_fio
SE +/- 3.41, N = 15
110.68
30
60
90
120
150
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Write - Engine: IO_uring - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 554.24, N = 15
8467
fiomek
SE +/- 511.40, N = 15
8418
suitcase
SE +/- 307.57, N = 15
9933
suitcase_fio
SE +/- 294.86, N = 15
9461
2K
4K
6K
8K
10K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

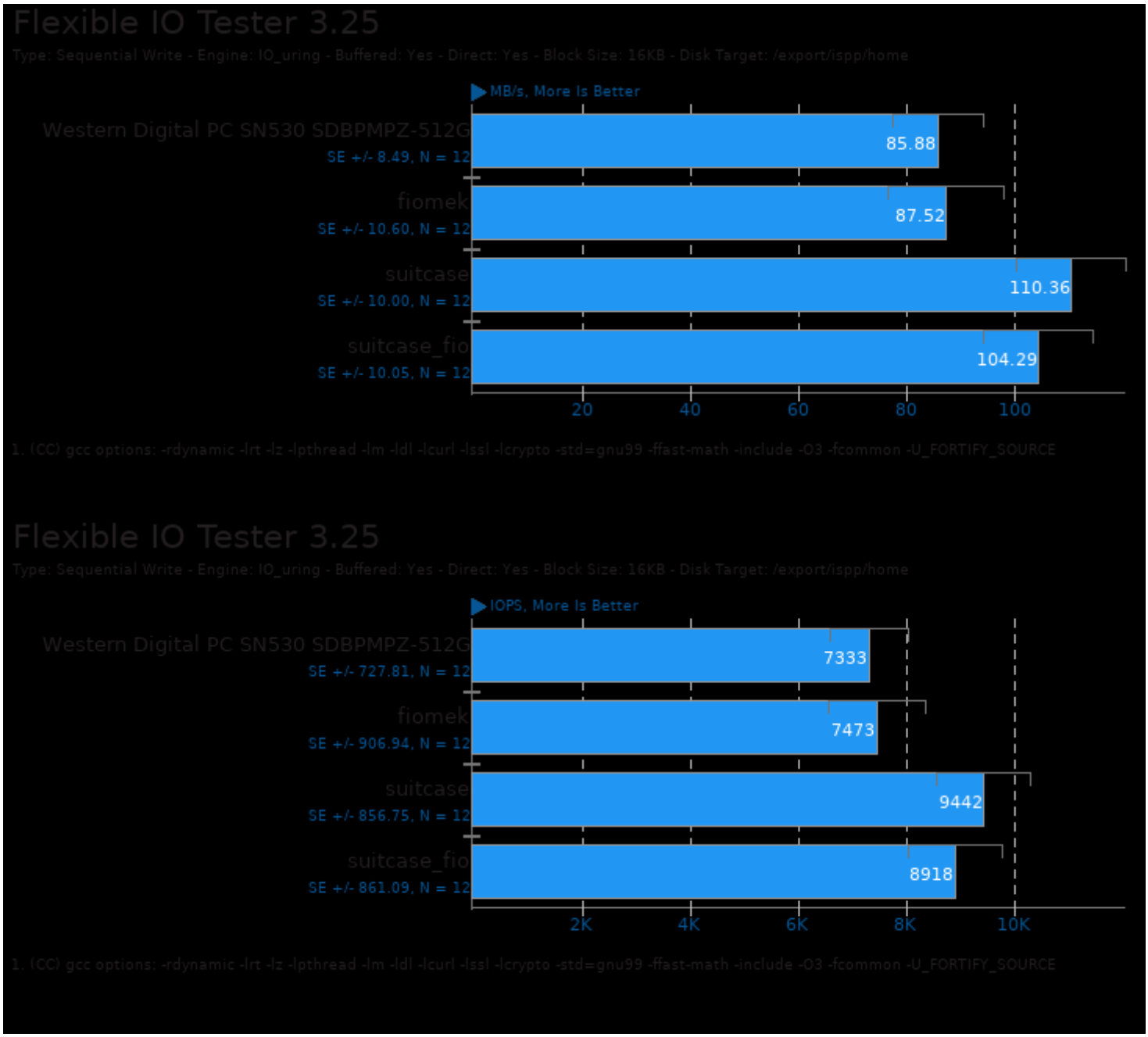
isymfio


Flexible IO Tester 3.25
Type: Sequential Write - Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
198
fiomek
SE +/- 1.98, N = 12
112
suitcase
SE +/- 0.67, N = 3
200
suitcase_fio
SE +/- 0.67, N = 3
191
40
80
120
160
200
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Write - Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 88.19, N = 3
12667
fiomek
SE +/- 127.19, N = 12
7181
suitcase
SE +/- 33.33, N = 3
12833
suitcase_fio
SE +/- 33.33, N = 3
12267
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

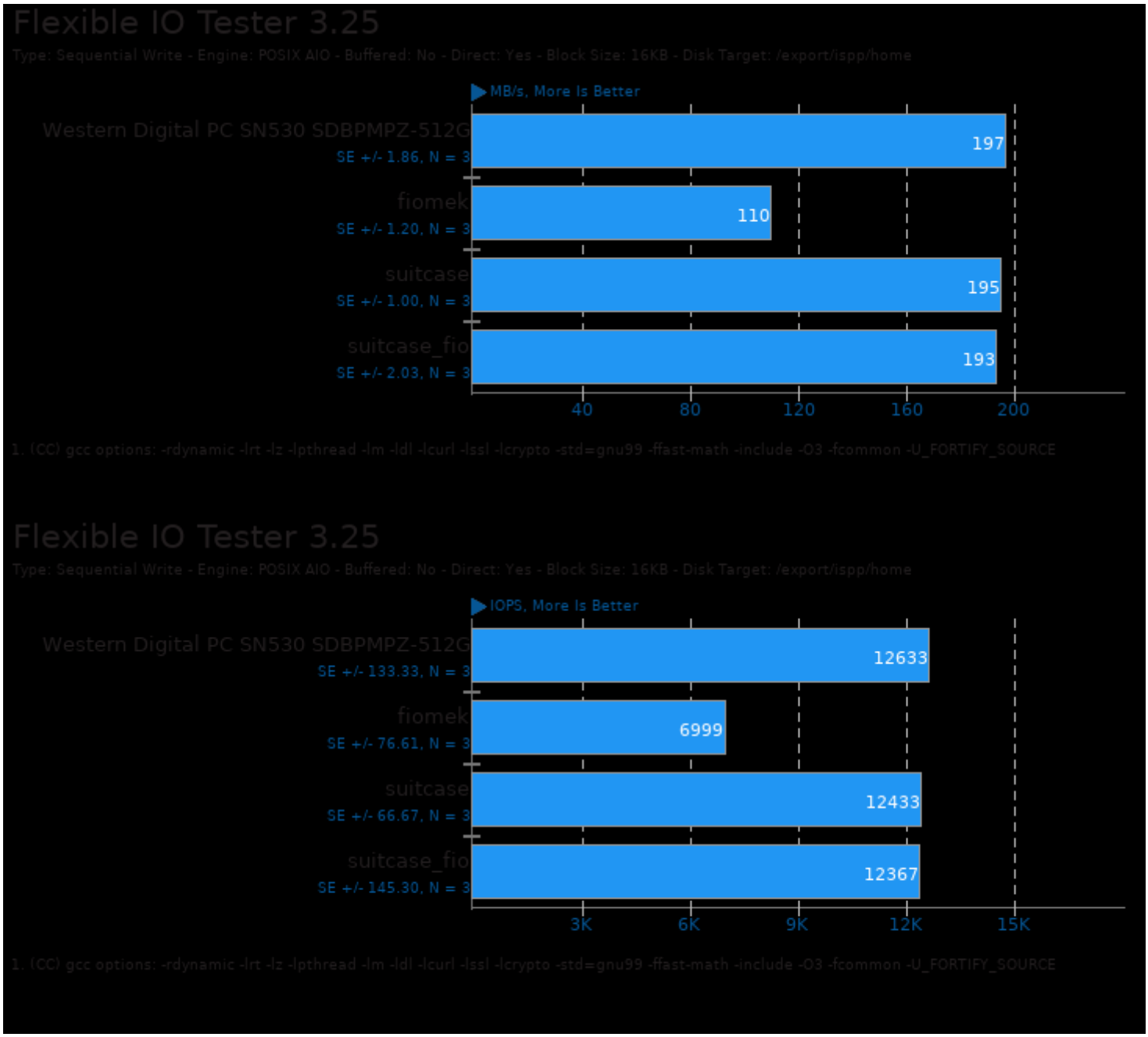
isymfio


Flexible IO Tester 3.25
Type: Sequential Read - Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 0.67, N = 3
333
fiomek
SE +/- 2.52, N = 3
266
suitcase
SE +/- 2.08, N = 3
314
suitcase_fio
SE +/- 0.58, N = 3
299
70
140
210
280
350
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Read - Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 57.74, N = 3
21300
fiomek
SE +/- 166.67, N = 3
17033
suitcase
SE +/- 152.75, N = 3
20100
suitcase_fio
SE +/- 33.33, N = 3
19133
5K
10K
15K
20K
25K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

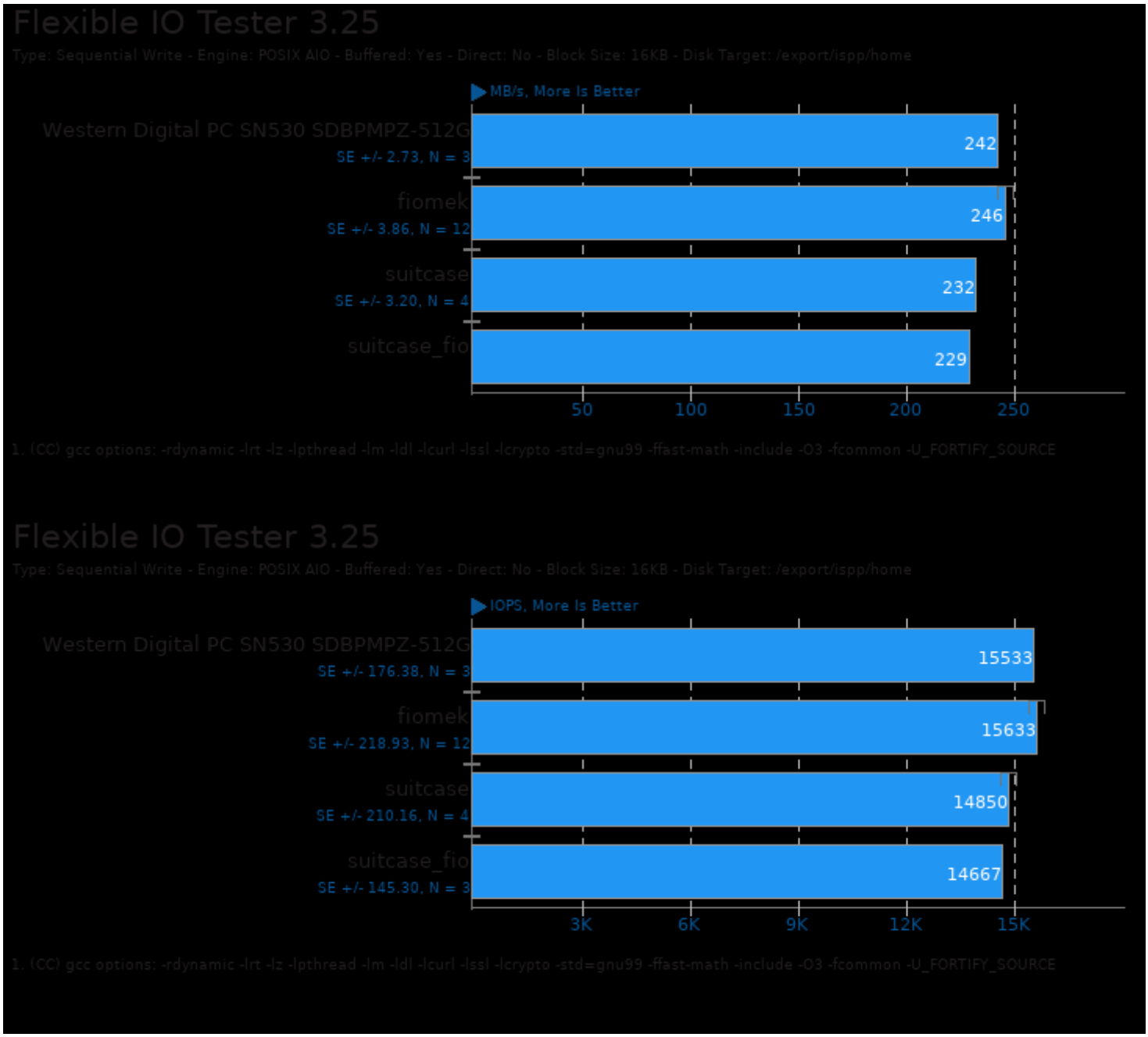
isymfio

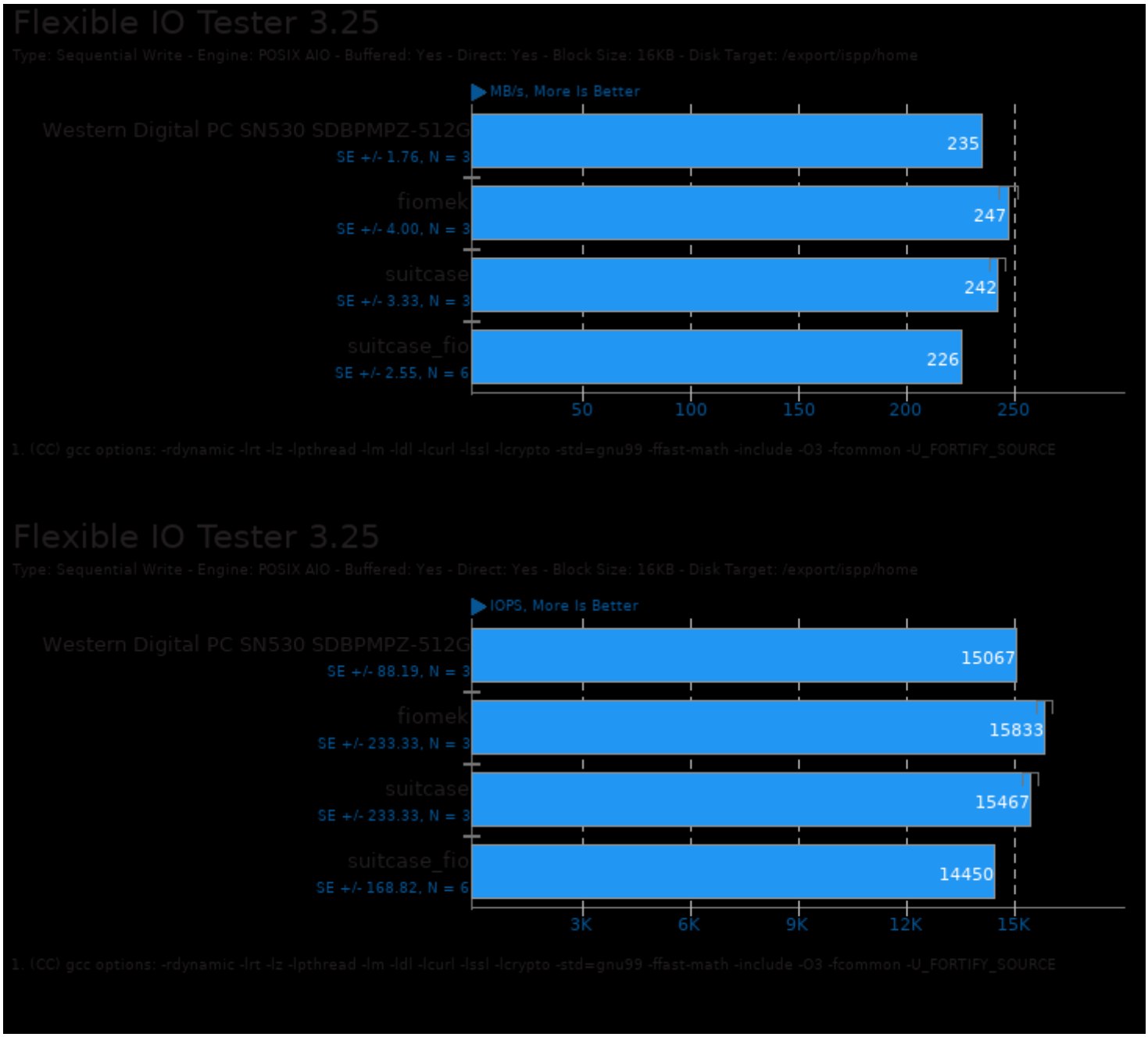

Flexible IO Tester 3.25
Type: Sequential Write - Engine: IO_uring - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 8.49, N = 12
85.88
fiomek
SE +/- 10.60, N = 12
87.52
suitcase
SE +/- 10.00, N = 12
110.36
suitcase_fio
SE +/- 10.05, N = 12
104.29
20
40
60
80
100
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Write - Engine: IO_uring - Buffered: Yes - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 727.81, N = 12
7333
fiomek
SE +/- 906.94, N = 12
7473
suitcase
SE +/- 856.75, N = 12
9442
suitcase_fio
SE +/- 861.09, N = 12
8918
2K
4K
6K
8K
10K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

isymfio


Flexible IO Tester 3.25
Type: Sequential Write - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 1.86, N = 3
197
fiomek
SE +/- 1.20, N = 3
110
suitcase
SE +/- 1.00, N = 3
195
suitcase_fio
SE +/- 2.03, N = 3
193
40
80
120
160
200
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Write - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 133.33, N = 3
12633
fiomek
SE +/- 76.61, N = 3
6999
suitcase
SE +/- 66.67, N = 3
12433
suitcase_fio
SE +/- 145.30, N = 3
12367
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE

isymfio


Flexible IO Tester 3.25
Type: Sequential Write - Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
MB/s, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 2.73, N = 3
242
fiomek
SE +/- 3.86, N = 12
246
suitcase
SE +/- 3.20, N = 4
232
suitcase_fio
229
50
100
150
200
250
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE
Flexible IO Tester 3.25
Type: Sequential Write - Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 16KB - Disk Target: /export/ispp/home
IOPS, More Is Better
Western Digital PC SN530 SDBPMPZ-512G
SE +/- 176.38, N = 3
15533
fiomek
SE +/- 218.93, N = 12
15633
suitcase
SE +/- 210.16, N = 4
14850
suitcase_fio
SE +/- 145.30, N = 3
14667
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -lrt -lz -lpthread -lm -ldl -lcurl -lssl -lcrypto -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 09:59.