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# ml310e-tests1

Intel Xeon E3-1230 V2 testing with a HP ProLiant ML310e Gen8 (J04 BIOS) and Matrox MGA G200EH on Debian 10 via the Phoronix Test Suite.

**Automated Executive Summary**

*ml310e-1hdd-onboard-xfs had the most wins, coming in first place for 62% of the tests.*

*Based on the geometric mean of all complete results, the fastest (ml310e-1hdd-onboard-xfs) was 1.19x the speed of the slowest (ml310e-1hdd-onboard). ml310e-1hdd-onboard-1 was 0.896x the speed of ml310e-1hdd-onboard-xfs and ml310e-1hdd-onboard was 0.938x the speed of ml310e-1hdd-onboard-1.*

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

*FS-Mark (Test: 1000 Files, 1MB Size) at 1.709x*
*Dbench (1 Clients) at 1.602x*
*Flexible IO Tester (Type: Sequential Read - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory) at 1.387x*
*Flexible IO Tester (Type: Sequential Read - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory) at 1.384x*
*Flexible IO Tester (Type: Sequential Read - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 2MB - Disk Target: Default Test Directory) at 1.349x*

*Flexible IO Tester (Type: Sequential Read - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 2MB - Disk Target: Default Test Directory) at 1.305x*
*FS-Mark (Test: 5000 Files, 1MB Size, 4 Threads) at 1.259x*
*Flexible IO Tester (Type: Random Read - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 2MB - Disk Target: Default Test Directory) at 1.257x*
*Flexible IO Tester (Type: Sequential Write - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory) at 1.252x*
*Flexible IO Tester (Type: Sequential Write - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory) at 1.249x.*

# Test Systems:

## ml310e-1hdd-onboard

## ml310e-1hdd-onboard-1

Processor: Intel Xeon E3-1230 V2 @ 3.70GHz (4 Cores / 8 Threads), Motherboard: HP ProLiant ML310e Gen8 (J04 BIOS), Chipset: Intel Xeon E3-1200 v2/Ivy, Memory: 8GB, Disk: 16GB LOGICAL VOLUME + 4 x 4001GB MB4000GCWLV, Graphics: Matrox MGA G200EH, Network: 2 x Broadcom NetXtreme BCM5717 PCIe + 2 x NetXen orporated NX3031 Multifunction 1/10-Gigabit

OS: Debian 10, Kernel: 4.19.0-8-amd64 (x86_64), Desktop: Xfce, Display Server: X Server 1.20.4, Display Driver: modesetting 1.20.4, Compiler: GCC 8.3.0, File-System: ext4, Screen Resolution: 1024x768

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic --without-cuda-driver -v
Disk Notes: MQ-DEADLINE / relatime,rw
Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0x15
Python Notes: Python 2.7.16 + Python 3.7.3
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT vulnerable + mds: Vulnerable: Clear buffers attempted no microcode; SMT vulnerable + meltdown: Mitigation of PTI + spec_store_bypass: Vulnerable + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline STIBP: disabled RSB filling + tsx_async_abort: Not affected

## ml310e-1hdd-onboard-xfs

Processor: Intel Xeon E3-1230 V2 @ 3.70GHz (4 Cores / 8 Threads), Motherboard: HP ProLiant ML310e Gen8 (J04 BIOS), Chipset: Intel Xeon E3-1200 v2/Ivy, Memory: 8GB, Disk: 16GB LOGICAL VOLUME + 4 x 4001GB MB4000GCWLV, Graphics: Matrox MGA G200EH, Network: 2 x Broadcom NetXtreme BCM5717 PCIe + 2 x NetXen orporated NX3031 Multifunction 1/10-Gigabit

OS: Debian 10, Kernel: 4.19.0-8-amd64 (x86_64), Desktop: Xfce, Display Server: X Server 1.20.4, Display Driver: modesetting 1.20.4, Compiler: GCC 8.3.0, File-System: xfs, Screen Resolution: 1024x768

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic --without-cuda-driver -v
Disk Notes: MQ-DEADLINE / attr2,inode64,noquota,relatime,rw

# ml310e-tests1

Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0x15
Python Notes: Python 2.7.16 + Python 3.7.3
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT vulnerable + mds: Vulnerable: Clear buffers attempted no microcode; SMT vulnerable + meltdown: Mitigation of PTI + spec_store_bypass: Vulnerable + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline STIBP: disabled RSB filling + tsx_async_abort: Not affected

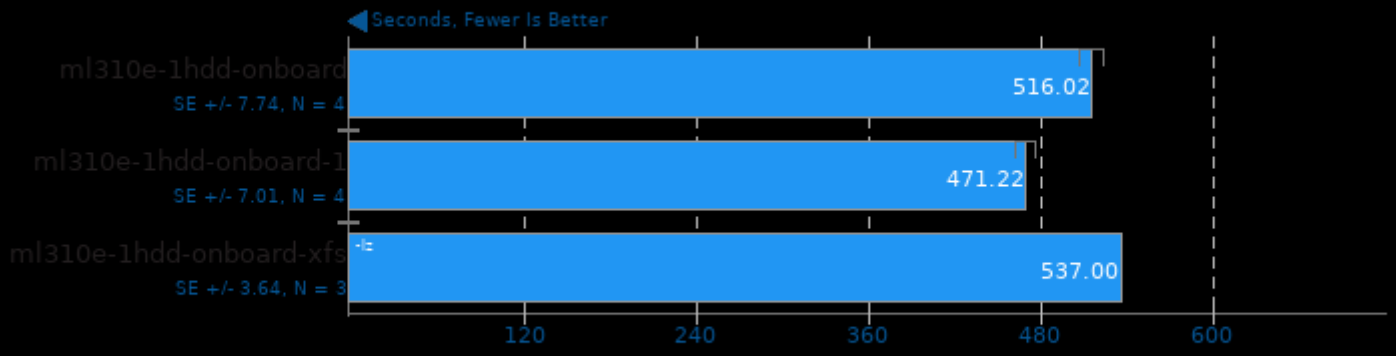
| | ml310e-1hdd-onboard | ml310e-1hdd-onboard-1 | ml310e-1hdd-onboard-xfs |
|---|---|---|---|
| **SQLite - T.S.I (sec)** | 516.024 | **471.224** | **537.003** |
| **Normalized** | 91.32% | 100% | 87.75% |
| **Standard Deviation** | 3% | 3% | 1.2% |
| **Flexible IO Tester - Rand Read - Linux AIO - No - Yes - 2MB (MB/s)** | **76.5** | 83.1 | **93.9** |
| **Normalized** | 81.47% | 88.5% | 100% |
| **Standard Deviation** | 1.6% | 1.3% | 1.6% |
| **Flexible IO Tester - Rand Read - Linux AIO - No - Yes - 2MB (IOPS)** | **35** | 38 | **44** |
| **Normalized** | 79.55% | 86.36% | 100% |
| **Standard Deviation** | 1.7% | 2.6% | 1.3% |
| **Flexible IO Tester - Rand Read - Linux AIO - No - Yes - 4KB (MB/s)** | **1.903** | **1.979** | 1.910 |
| **Normalized** | 96.16% | 100% | 96.51% |
| **Standard Deviation** | 0.1% | 0.7% | 0.1% |
| **Flexible IO Tester - Rand Read - Linux AIO - No - Yes - 4KB (IOPS)** | **472** | **491** | 474 |
| **Normalized** | 96.13% | 100% | 96.54% |
| **Standard Deviation** | 0.1% | 0.7% | |
| **Flexible IO Tester - Rand Write - Linux AIO - No - Yes - 2MB (MB/s)** | **84.6** | 87.2 | **102** |
| **Normalized** | 82.94% | 85.49% | 100% |
| **Standard Deviation** | 0.7% | 1.7% | |
| **Flexible IO Tester - Rand Write - Linux AIO - No - Yes - 2MB (IOPS)** | **39** | 40 | **47** |
| **Normalized** | 82.98% | 85.11% | 100% |
| **Standard Deviation** | | 1.5% | |
| **Flexible IO Tester - Rand Write - Linux AIO - No - Yes - 4KB (MB/s)** | **1.317** | **1.736** | 1.375 |
| **Normalized** | 75.86% | 100% | 79.21% |
| **Standard Deviation** | 13% | 1.5% | 9.4% |
| **Flexible IO Tester - Rand Write - Linux AIO - No - Yes - 4KB (IOPS)** | **326** | **430** | 340 |
| **Normalized** | 75.81% | 100% | 79.07% |
| **Standard Deviation** | 13.1% | | 9.5% |
| **Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 2MB (MB/s)** | **93.5** | 102 | **122** |
| **Normalized** | 76.64% | 83.61% | 100% |
| **Standard Deviation** | 1.5% | | 0.9% |
| **Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 2MB (IOPS)** | **43** | 48 | **58** |
| **Normalized** | 74.14% | 82.76% | 100% |
| **Standard Deviation** | | 1.2% | |

# ml310e-tests1

| | | | |
|---|---|---|---|
| **Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 4KB (MB/s)** | 86.0 | 99.0 | 119 |
| Normalized | 72.27% | 83.19% | 100% |
| Standard Deviation | 1.4% | 0.2% | |
| **Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 4KB (IOPS)** | 22033 | 25333 | 30567 |
| Normalized | 72.08% | 82.88% | 100% |
| Standard Deviation | 1.5% | 0.2% | 0.2% |
| **Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 2MB (MB/s)** | 101 | 101 | 122 |
| Normalized | 82.79% | 82.79% | 100% |
| Standard Deviation | 1.7% | 0.6% | |
| **Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 2MB (IOPS)** | 47 | 47 | 58 |
| Normalized | 81.03% | 81.03% | 100% |
| **Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 4KB (MB/s)** | 38.9 | 41.7 | 33.4 |
| Normalized | 93.29% | 100% | 80.1% |
| Standard Deviation | 3.8% | 1.2% | 0.3% |
| **Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 4KB (IOPS)** | 9971 | 10700 | 8547 |
| Normalized | 93.19% | 100% | 79.88% |
| Standard Deviation | 3.3% | 0.9% | 0.2% |
| **FS-Mark - 1.F.1.S (Files/s)** | 18.2 | 19.7 | 31.1 |
| Normalized | 58.52% | 63.34% | 100% |
| Standard Deviation | 0.5% | 0.3% | 0.5% |
| **FS-Mark - 5.F.1.S.4.T (Files/s)** | 44.4 | 48.8 | 55.9 |
| Normalized | 79.43% | 87.3% | 100% |
| Standard Deviation | 0.9% | 0.8% | 0.2% |
| **FS-Mark - 4.F.3.S.D.1.S (Files/s)** | 17.5 | 19.4 | 33.5 |
| Normalized | 52.24% | 57.91% | 100% |
| Standard Deviation | 0.3% | 0.6% | 23.8% |
| **FS-Mark - 1.F.1.S.N.S.F (Files/s)** | 1739 | 1708 | 3041 |
| Normalized | 57.18% | 56.18% | 100% |
| Standard Deviation | 3.8% | 7.9% | 2.8% |
| **Dbench - 12 Clients (MB/s)** | 66.6349 | 63.7984 | 54.1828 |
| Normalized | 100% | 95.74% | 81.31% |
| Standard Deviation | 7.7% | 7.9% | 2% |
| **Dbench - 1 Clients (MB/s)** | 10.7592 | 10.7820 | 17.2320 |
| Normalized | 62.44% | 62.57% | 100% |
| Standard Deviation | 0.8% | 0.8% | 1.1% |
| **Compile Bench - Compile (MB/s)** | 202.34 | 210.38 | 286.60 |
| Normalized | 70.6% | 73.41% | 100% |
| Standard Deviation | 13.2% | 11.6% | 13.2% |
| **Compile Bench - Initial Create (MB/s)** | 168.75 | 170.94 | 139.65 |
| Normalized | 98.72% | 100% | 81.7% |
| Standard Deviation | 3.6% | 4.1% | 15% |
| **Compile Bench - Read Compiled Tree (MB/s)** | 732.11 | 648.85 | 666.87 |
| Normalized | 100% | 88.63% | 91.09% |
| Standard Deviation | 20.1% | 15.9% | 23.1% |
| **PostMark - D.T.P (TPS)** | 4687 | 4717 | 5813 |
| Normalized | 80.63% | 81.15% | 100% |
| Standard Deviation | 1.1% | 1.9% | |

## SQLite 3.30.1

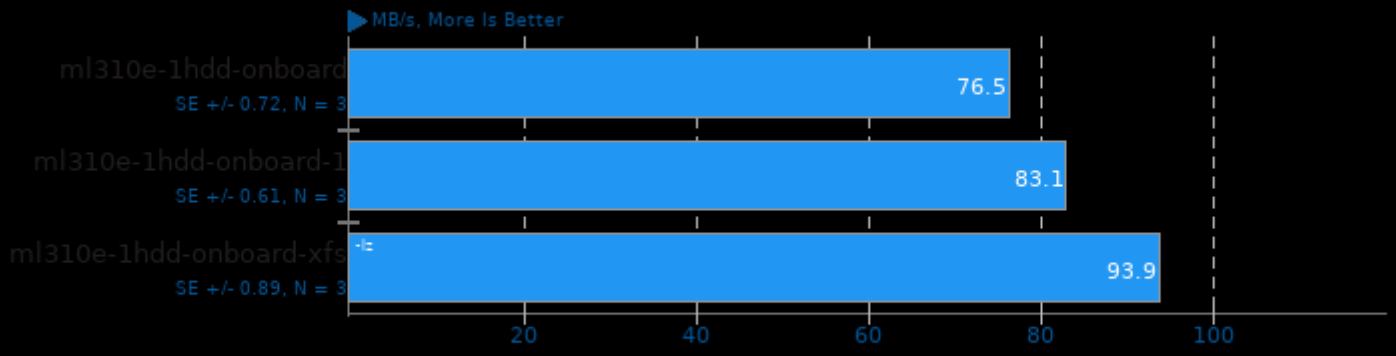
Timed SQLite Insertions




1. (CC) gcc options: -O2 -lm -ldl -lpthread

## Flexible IO Tester 3.18

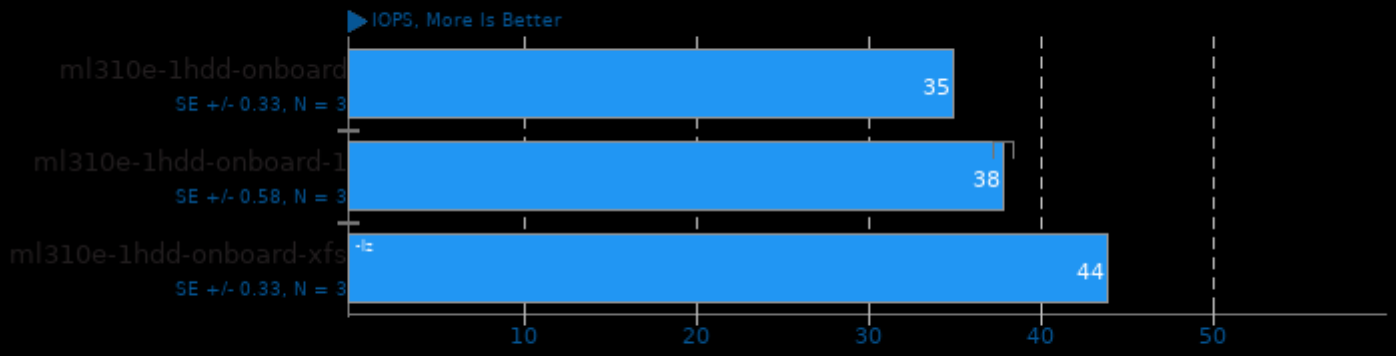
Type: Random Read - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 2MB - Disk Target: Default Test Directory



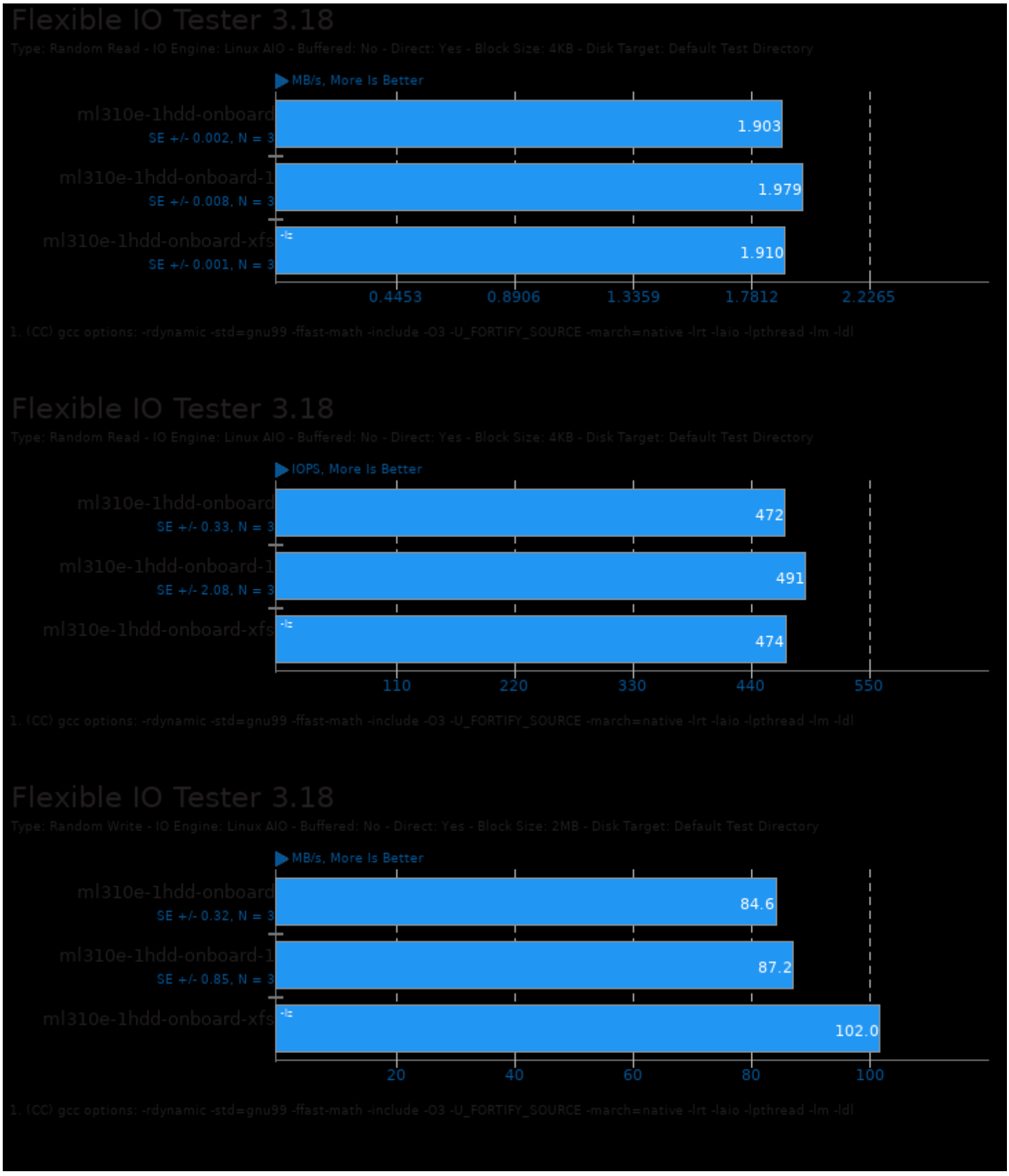

1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -march=native -lrt -laio -lpthread -lm -ldl

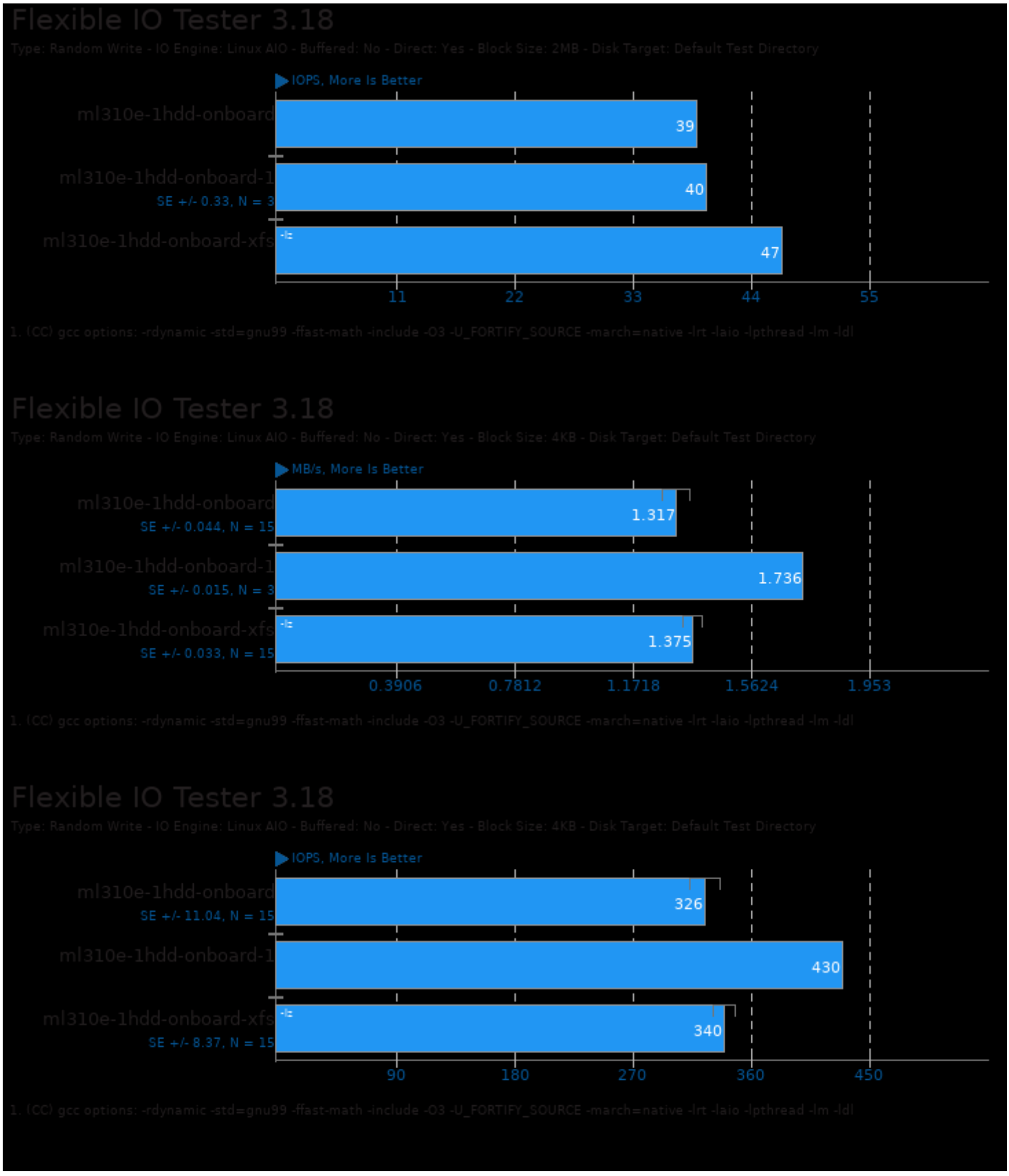
## Flexible IO Tester 3.18

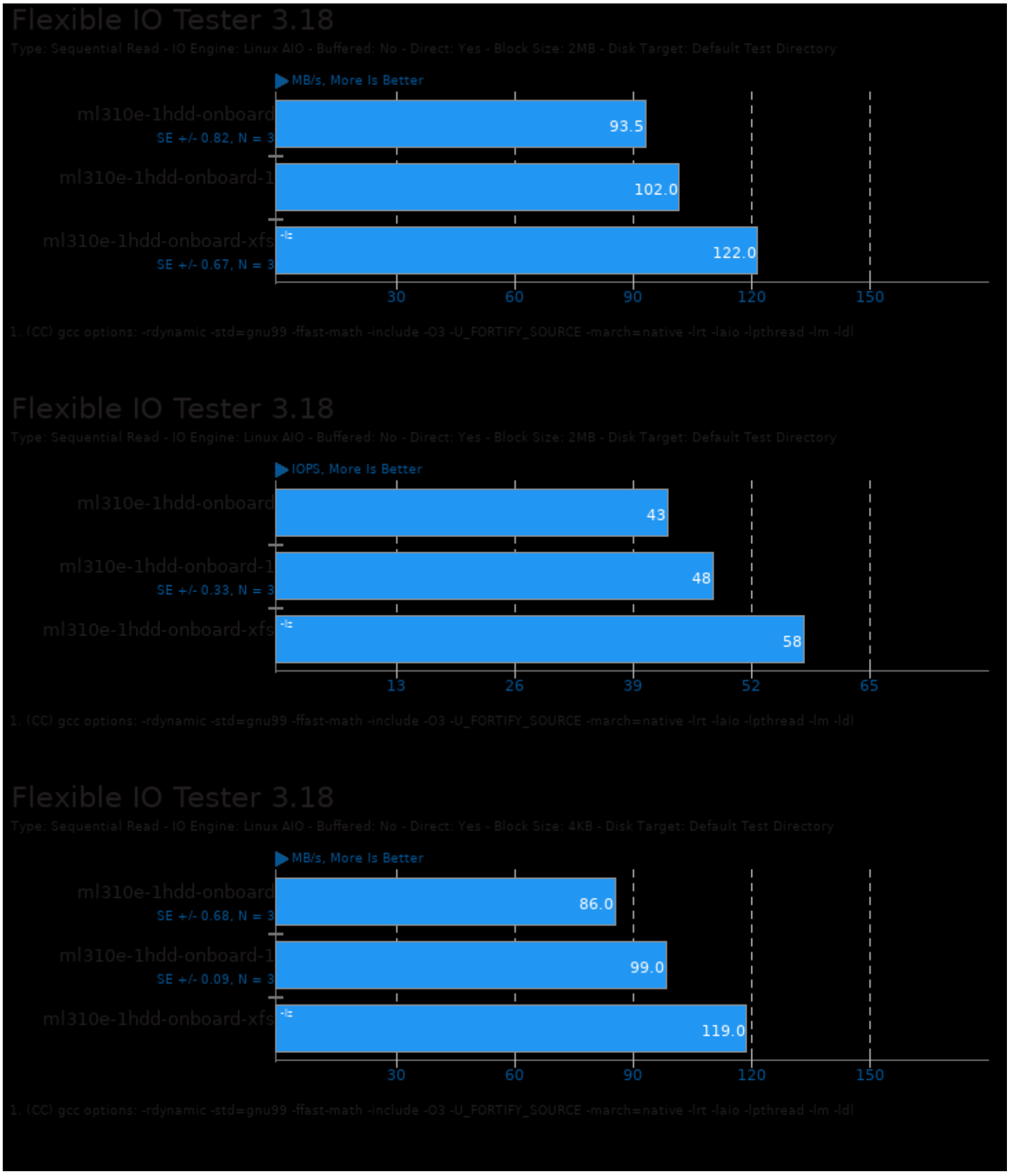
Type: Random Read - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 2MB - Disk Target: Default Test Directory

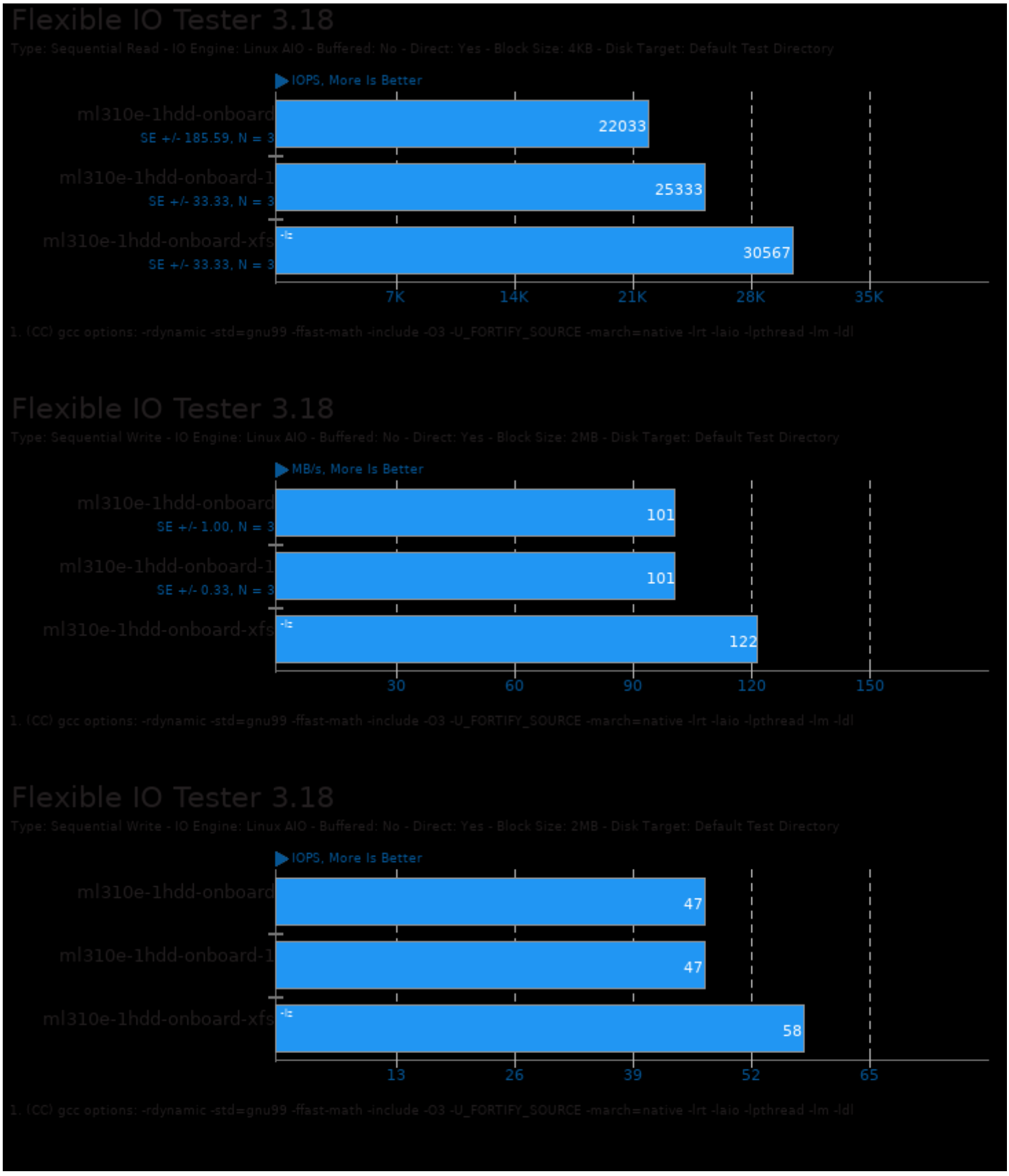



1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -march=native -lrt -laio -lpthread -lm -ldl


Flexible IO Tester 3.18
Type: Random Read - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
ml310e-1hdd-onboard
SE +/- 0.002, N = 3
1.903
ml310e-1hdd-onboard-1
SE +/- 0.008, N = 3
1.979
ml310e-1hdd-onboard-xfs
SE +/- 0.001, N = 3
1.910
0.4453
0.8906
1.3359
1.7812
2.2265
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -march=native -lrt -laio -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Random Read - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
ml310e-1hdd-onboard
SE +/- 0.33, N = 3
472
ml310e-1hdd-onboard-1
SE +/- 2.08, N = 3
491
ml310e-1hdd-onboard-xfs
474
110
220
330
440
550
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -march=native -lrt -laio -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Random Write - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 2MB - Disk Target: Default Test Directory
MB/s, More Is Better
ml310e-1hdd-onboard
SE +/- 0.32, N = 3
84.6
ml310e-1hdd-onboard-1
SE +/- 0.85, N = 3
87.2
ml310e-1hdd-onboard-xfs
102.0
20
40
60
80
100
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -march=native -lrt -laio -lpthread -lm -ldl


Flexible IO Tester 3.18
Type: Random Write - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 2MB - Disk Target: Default Test Directory
IOPS, More Is Better
ml310e-1hdd-onboard
39
ml310e-1hdd-onboard-1
SE +/- 0.33, N = 3
40
ml310e-1hdd-onboard-xfs
47
11
22
33
44
55
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -march=native -lrt -laio -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Random Write - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
ml310e-1hdd-onboard
SE +/- 0.044, N = 15
1.317
ml310e-1hdd-onboard-1
SE +/- 0.015, N = 3
1.736
ml310e-1hdd-onboard-xfs
SE +/- 0.033, N = 15
1.375
0.3906
0.7812
1.1718
1.5624
1.953
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -march=native -lrt -laio -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Random Write - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
ml310e-1hdd-onboard
SE +/- 11.04, N = 15
326
ml310e-1hdd-onboard-1
430
ml310e-1hdd-onboard-xfs
SE +/- 8.37, N = 15
340
90
180
270
360
450
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -march=native -lrt -laio -lpthread -lm -ldl

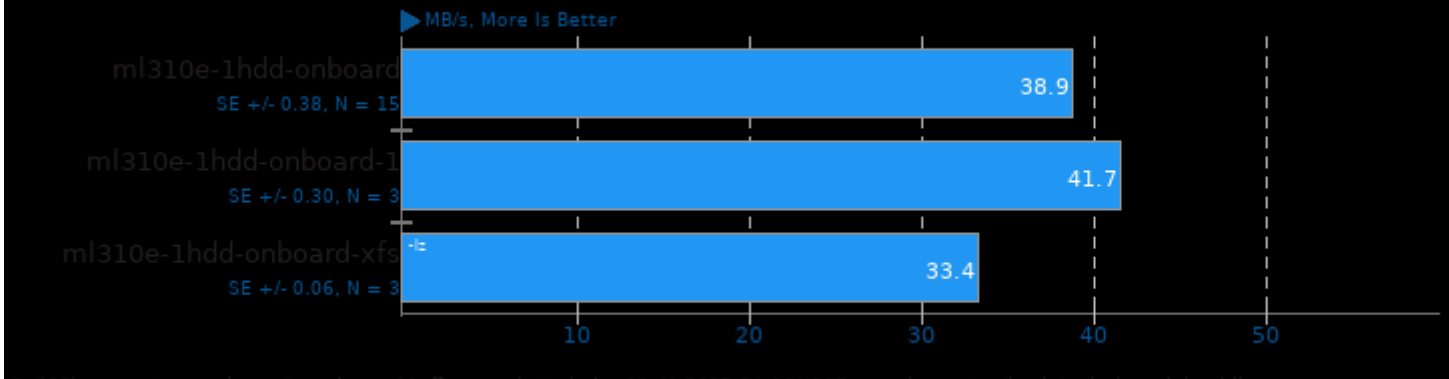

Flexible IO Tester 3.18
Type: Sequential Read - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 2MB - Disk Target: Default Test Directory
MB/s, More Is Better
ml310e-1hdd-onboard
SE +/- 0.82, N = 3
93.5
ml310e-1hdd-onboard-1
102.0
ml310e-1hdd-onboard-xfs
SE +/- 0.67, N = 3
122.0
30
60
90
120
150
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -march=native -lrt -laio -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Read - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 2MB - Disk Target: Default Test Directory
IOPS, More Is Better
ml310e-1hdd-onboard
43
ml310e-1hdd-onboard-1
SE +/- 0.33, N = 3
48
ml310e-1hdd-onboard-xfs
58
13
26
39
52
65
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -march=native -lrt -laio -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Read - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
MB/s, More Is Better
ml310e-1hdd-onboard
SE +/- 0.68, N = 3
86.0
ml310e-1hdd-onboard-1
SE +/- 0.09, N = 3
99.0
ml310e-1hdd-onboard-xfs
119.0
30
60
90
120
150
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -march=native -lrt -laio -lpthread -lm -ldl


Flexible IO Tester 3.18
Type: Sequential Read - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory
IOPS, More Is Better
ml310e-1hdd-onboard
SE +/- 185.59, N = 3
22033
ml310e-1hdd-onboard-1
SE +/- 33.33, N = 3
25333
ml310e-1hdd-onboard-xfs
SE +/- 33.33, N = 3
30567
7K
14K
21K
28K
35K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -march=native -lrt -laio -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Write - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 2MB - Disk Target: Default Test Directory
MB/s, More Is Better
ml310e-1hdd-onboard
SE +/- 1.00, N = 3
101
ml310e-1hdd-onboard-1
SE +/- 0.33, N = 3
101
ml310e-1hdd-onboard-xfs
122
30
60
90
120
150
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -march=native -lrt -laio -lpthread -lm -ldl
Flexible IO Tester 3.18
Type: Sequential Write - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 2MB - Disk Target: Default Test Directory
IOPS, More Is Better
ml310e-1hdd-onboard
47
ml310e-1hdd-onboard-1
47
ml310e-1hdd-onboard-xfs
58
13
26
39
52
65
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -march=native -lrt -laio -lpthread -lm -ldl

# ml310e-tests1

## Flexible IO Tester 3.18

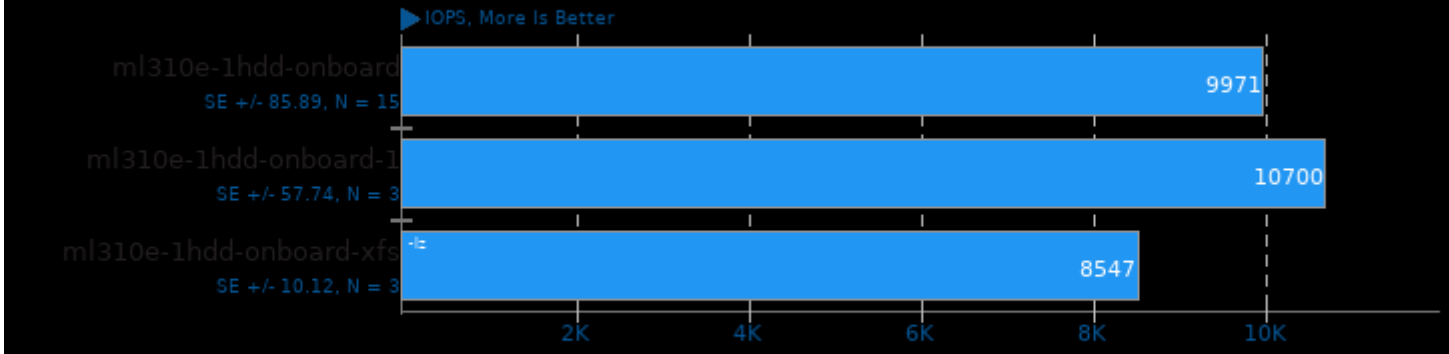
Type: Sequential Write - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory




1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -march=native -lrt -laio -lpthread -lm -ldl

## Flexible IO Tester 3.18

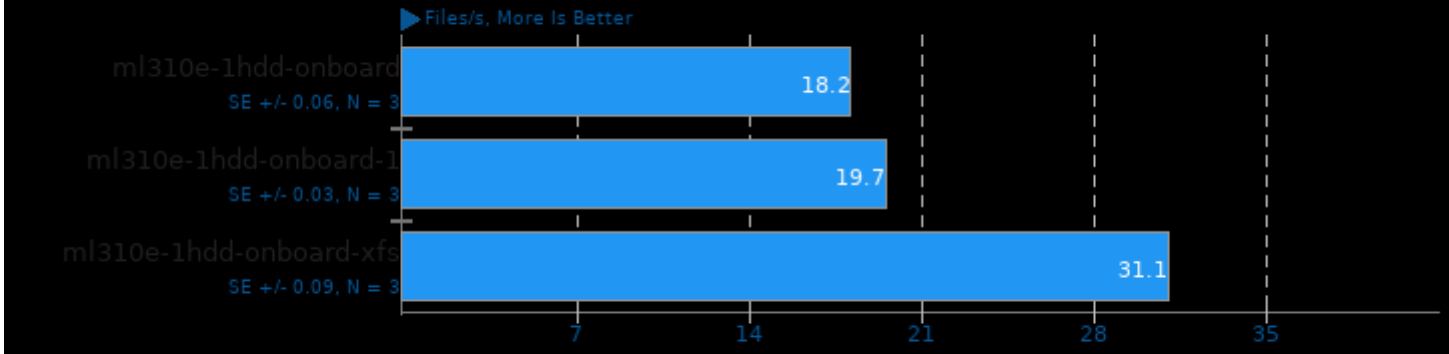
Type: Sequential Write - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory




1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U_FORTIFY_SOURCE -march=native -lrt -laio -lpthread -lm -ldl

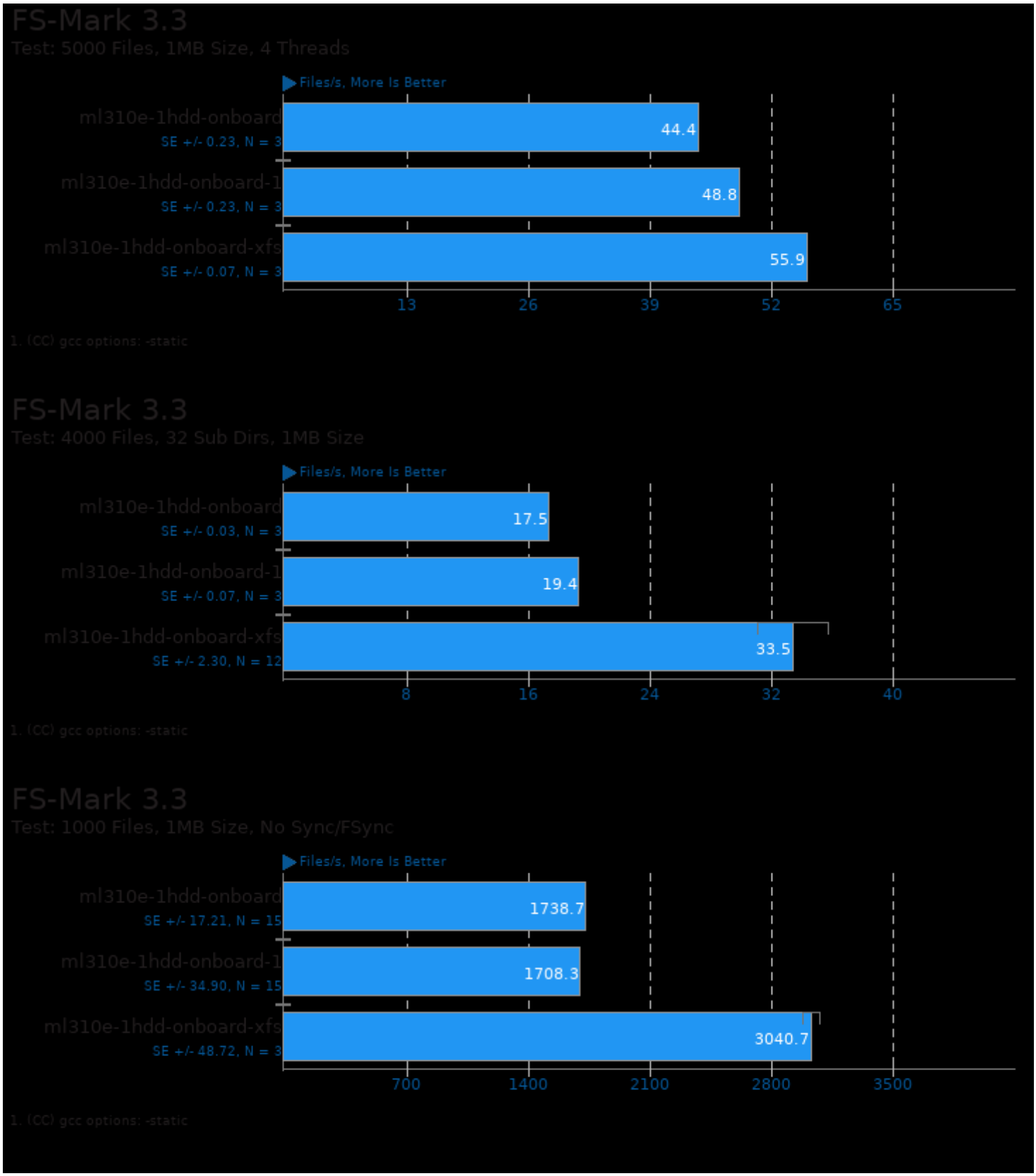
## FS-Mark 3.3

Test: 1000 Files, 1MB Size




1. (CC) gcc options: -static

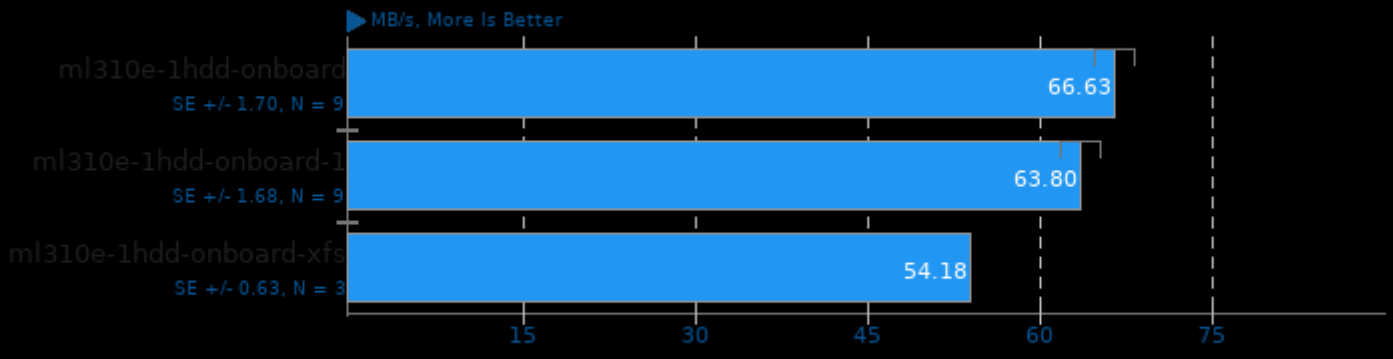
# ml310e-tests1



# ml310e-tests1

## Dbench 4.0

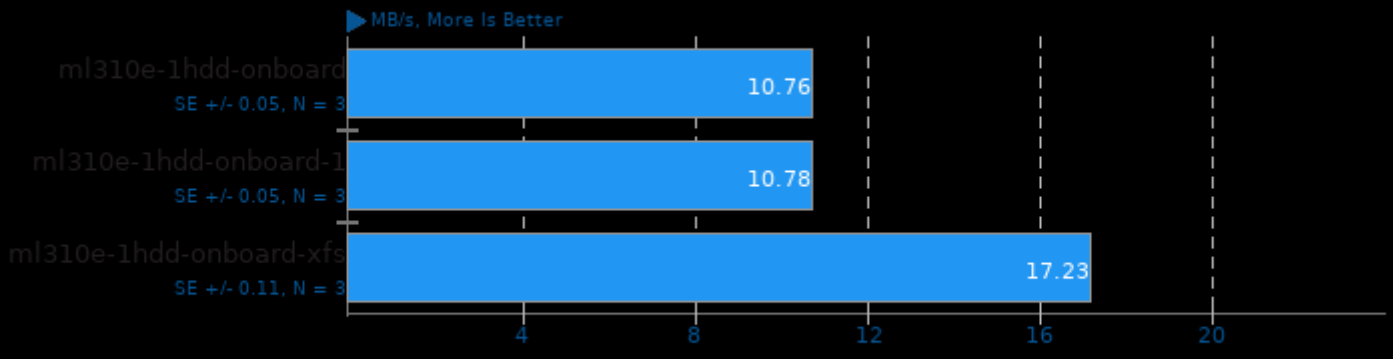
12 Clients




1. (CC) gcc options: -lpopt -O2

## Dbench 4.0

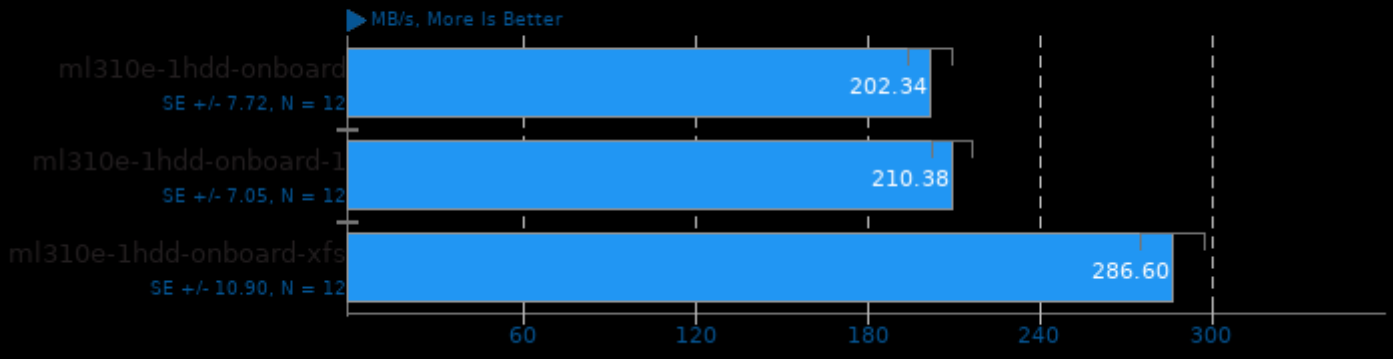
1 Clients

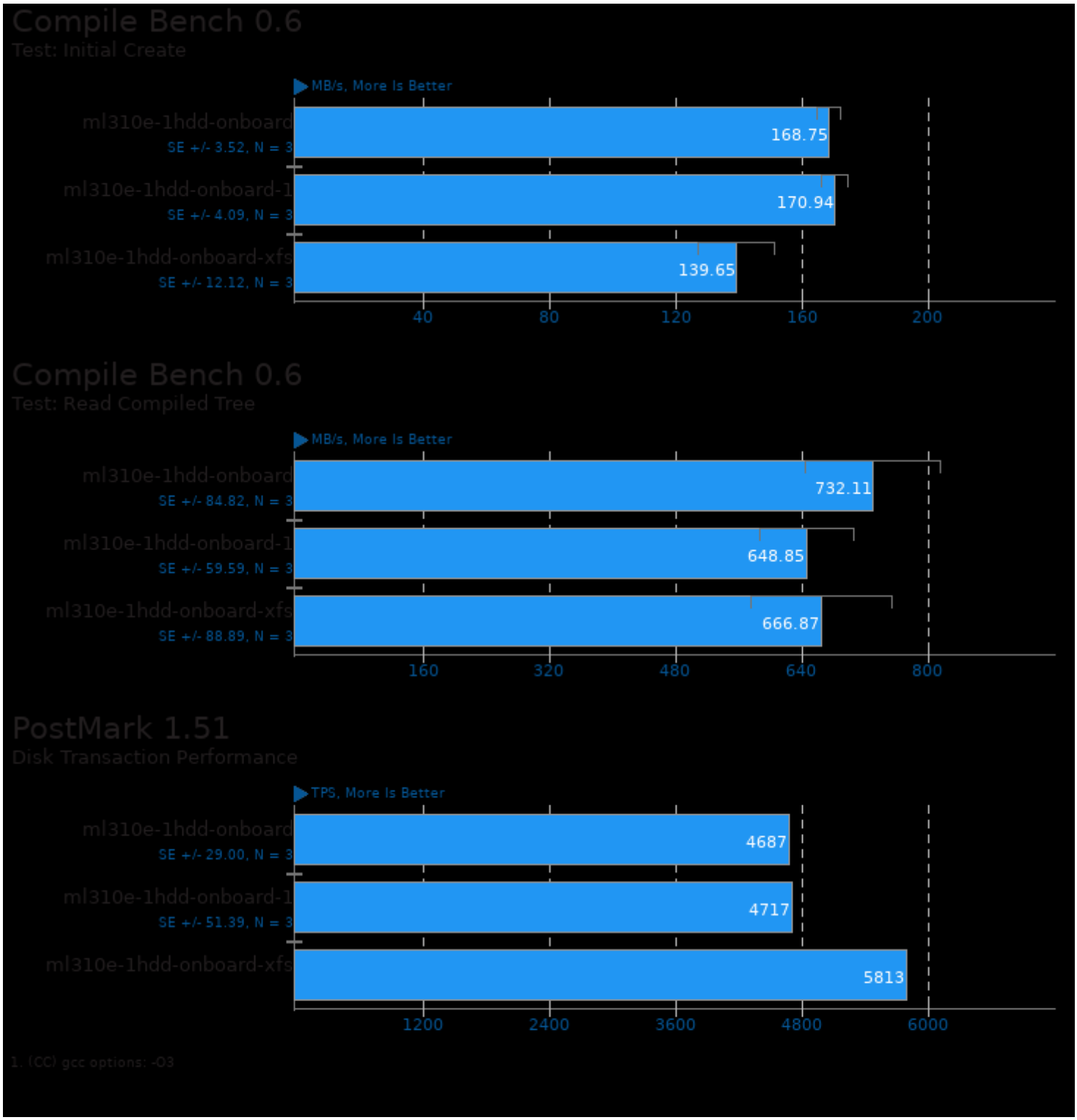



1. (CC) gcc options: -lpopt -O2

## Compile Bench 0.6

Test: Compile




Compile Bench 0.6
Test: Initial Create
MB/s, More Is Better
ml310e-1hdd-onboard
SE +/- 3.52, N = 3
168.75
ml310e-1hdd-onboard-1
SE +/- 4.09, N = 3
170.94
ml310e-1hdd-onboard-xfs
SE +/- 12.12, N = 3
139.65
40
80
120
160
200
Compile Bench 0.6
Test: Read Compiled Tree
MB/s, More Is Better
ml310e-1hdd-onboard
SE +/- 84.82, N = 3
732.11
ml310e-1hdd-onboard-1
SE +/- 59.59, N = 3
648.85
ml310e-1hdd-onboard-xfs
SE +/- 88.89, N = 3
666.87
160
320
480
640
800
PostMark 1.51
Disk Transaction Performance
TPS, More Is Better
ml310e-1hdd-onboard
SE +/- 29.00, N = 3
4687
ml310e-1hdd-onboard-1
SE +/- 51.39, N = 3
4717
ml310e-1hdd-onboard-xfs
5813
1200
2400
3600
4800
6000
1. (CC) gcc options: -O3

# ml310e-tests1

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




Geometric mean based upon tests: pts/sqlite, pts/fs-mark, pts/compilebench, pts/dbench, pts/postmark and pts/fio

*This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 06:45.*