

www.phoronix-test-suite.com

testing01

new

Test Systems:

Common KVM - Red Hat QXL paravirtual graphic card -

mtu 9000

Processor: Common KVM (1 Core), Motherboard: QEMU Standard PC (i440FX + PIIX 1996) (rel-1.11.1-0-g0551a4be2c-prebuilt.qemu-project.org BIOS), Chipset: Intel 440FX 82441FX PMC, Memory: 1 x 2048 MB RAM QEMU, Disk: 30GB, Graphics: Red Hat QXL paravirtual graphic card, Network: 2 x Red Hat Virtio device

OS: Debian 9.8, Kernel: 4.9.0-8-amd64 (x86_64), Compiler: GCC 6.3.0 20170516, File-System: ext4, Screen Resolution: 1024x768, System Layer: qemu

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,ada,c++,java,go,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-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-arch-directory=amd64 --with-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic -v
Disk Notes: none / data=ordered,errors=remount-ro,relatime,rw
Security Notes: KPTI + __user pointer sanitization + Full generic retpoline + PTE Inversion

ntu9000

sync off

QEMU Standard PC

Processor: Common KVM (1 Core), Motherboard: QEMU Standard PC (i440FX + PIIX 1996) (rel-1.11.2-0-gf9626ccb91-prebuilt.qemu-project.org BIOS), Chipset: Intel 440FX 82441FX PMC, Memory: 1 x 2048 MB RAM QEMU, Disk: 30GB, Graphics: Red Hat QXL paravirtual graphic card, Network: 2 x Red Hat Virtio device

OS: Debian 9.8, Kernel: 4.9.0-8-amd64 (x86_64), Compiler: GCC 6.3.0 20170516, File-System: ext4, Screen Resolution: 1024x768, System Layer: qemu

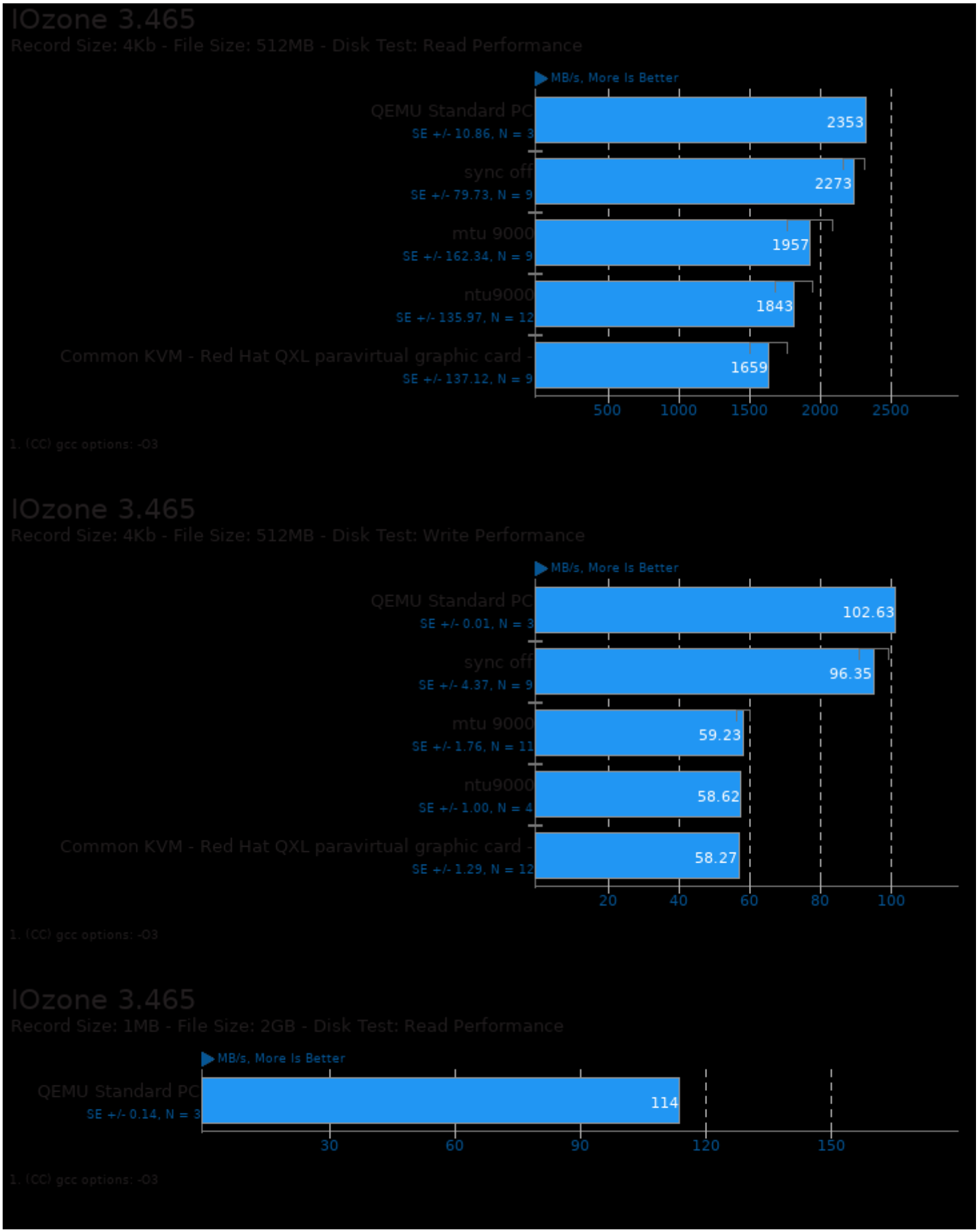
Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-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-arch-directory=amd64 --with-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic -v
Disk Notes: none / data=ordered,errors=remount-ro,relatime,rw
Security Notes: KPTI + __user pointer sanitization + Full generic retpoline + PTE Inversion

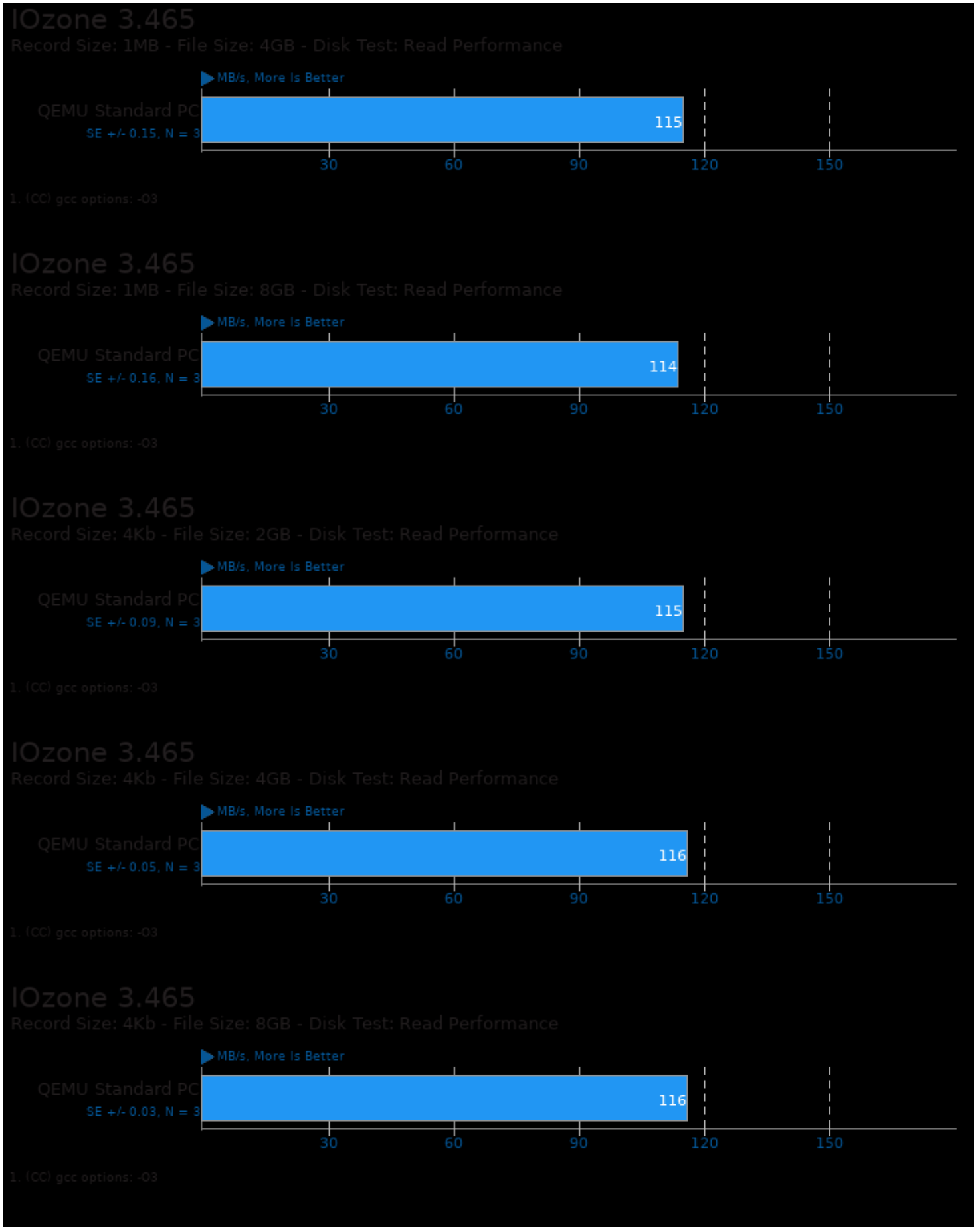
	Common KVM - Red Hat QXL paravirtual graphic card -	mtu 9000	ntu9000	sync off	QEMU Standard PC
IOzone - 4Kb - 512MB - Read Performance (MB/s)	**1659**	1957	1843	2273	**2353**
Normalized	70.51%	83.17%	78.33%	96.6%	100%
Standard Deviation	24.8%	24.9%	25.6%	10.5%	0.8%
IOzone - 4Kb - 512MB - Write Performance (MB/s)	**58.27**	59.23	58.62	96.35	**102.63**
Normalized	56.78%	57.71%	57.12%	93.88%	100%
Standard Deviation	7.7%	9.9%	3.4%	13.6%	0%
IOzone - 1MB - 2GB - Read Performance (MB/s)					114
Standard Deviation					0.2%
IOzone - 1MB - 4GB - Read Performance (MB/s)					115
Standard Deviation					0.2%
IOzone - 1MB - 8GB - Read Performance (MB/s)					114
Standard Deviation					0.2%
IOzone - 4Kb - 2GB - Read Performance (MB/s)					115
Standard Deviation					0.1%

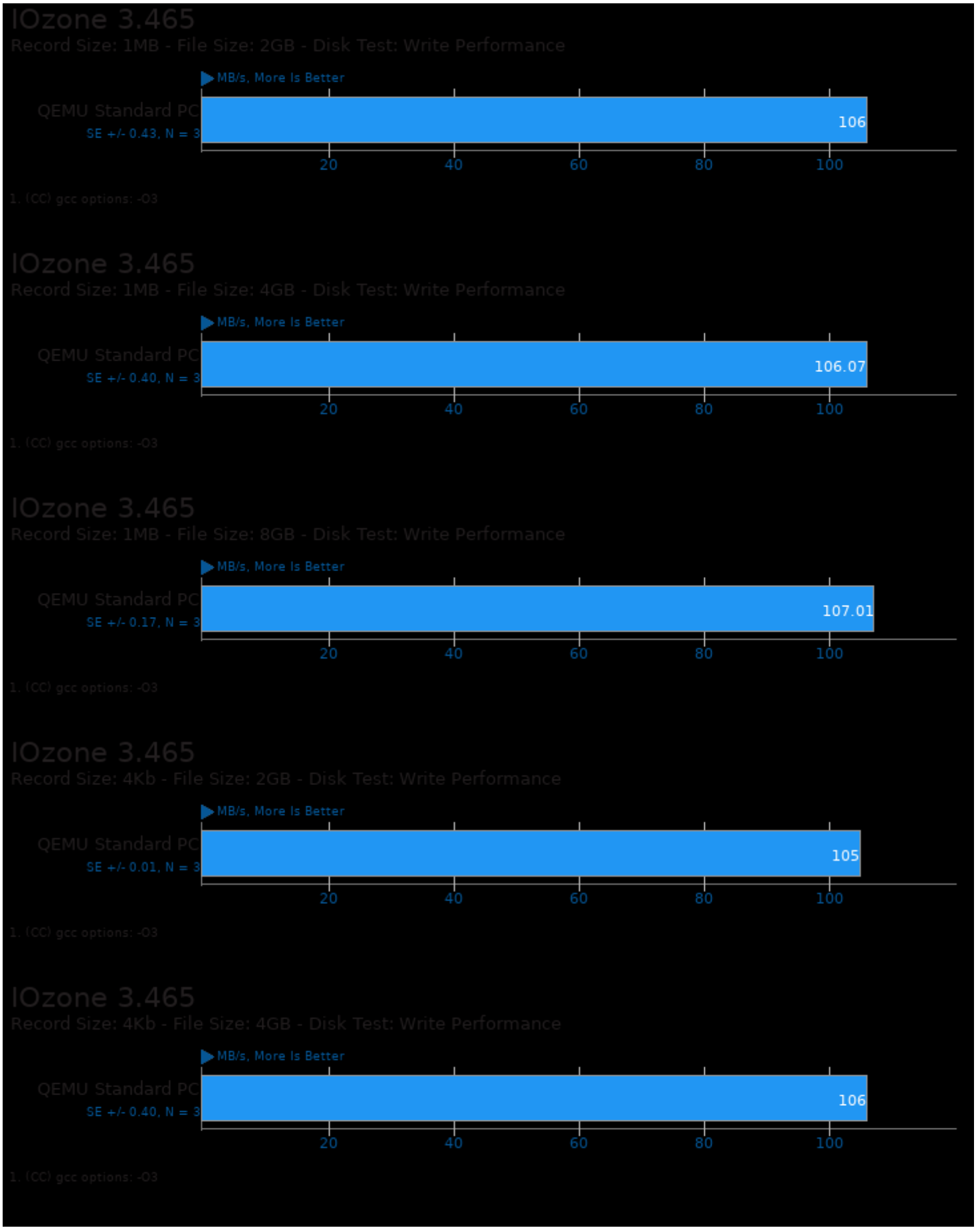
IOzone - 4Kb - 4GB - Read Performance (MB/s)	116
Standard Deviation	0.1%
IOzone - 4Kb - 8GB - Read Performance (MB/s)	116
Standard Deviation	0%
IOzone - 1MB - 2GB - Write Performance (MB/s)	106
Standard Deviation	0.7%
IOzone - 1MB - 4GB - Write Performance (MB/s)	106.07
Standard Deviation	0.7%
IOzone - 1MB - 8GB - Write Performance (MB/s)	107.01
Standard Deviation	0.3%
IOzone - 4Kb - 2GB - Write Performance (MB/s)	105
Standard Deviation	0%
IOzone - 4Kb - 4GB - Write Performance (MB/s)	106
Standard Deviation	0.7%
IOzone - 4Kb - 8GB - Write Performance (MB/s)	107
Standard Deviation	0.3%
IOzone - 64Kb - 2GB - Read Performance (MB/s)	115
Standard Deviation	0.2%
IOzone - 64Kb - 4GB - Read Performance (MB/s)	115
Standard Deviation	0%
IOzone - 64Kb - 8GB - Read Performance (MB/s)	115.36
Standard Deviation	0.2%
IOzone - 1MB - 512MB - Read Performance (MB/s)	5910
Standard Deviation	3.4%
IOzone - 64Kb - 2GB - Write Performance (MB/s)	106
Standard Deviation	1.1%
IOzone - 64Kb - 4GB - Write Performance (MB/s)	107
Standard Deviation	0.4%
IOzone - 64Kb - 8GB - Write Performance (MB/s)	107
Standard Deviation	0.2%
IOzone - 1MB - 512MB - Write Performance (MB/s)	103.13
Standard Deviation	1.3%
IOzone - 64Kb - 512MB - Read Performance (MB/s)	6129
Standard Deviation	0.8%

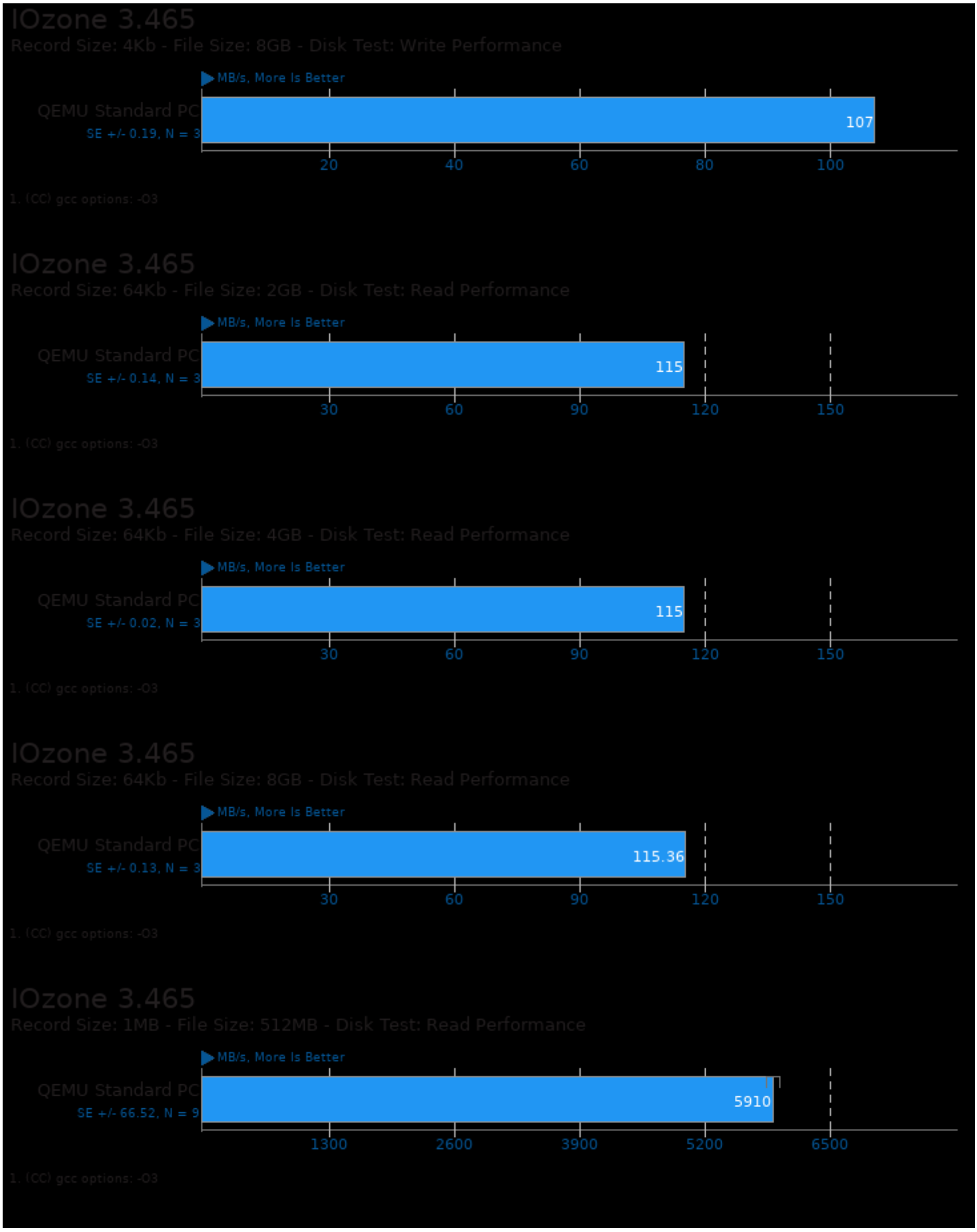
testing01

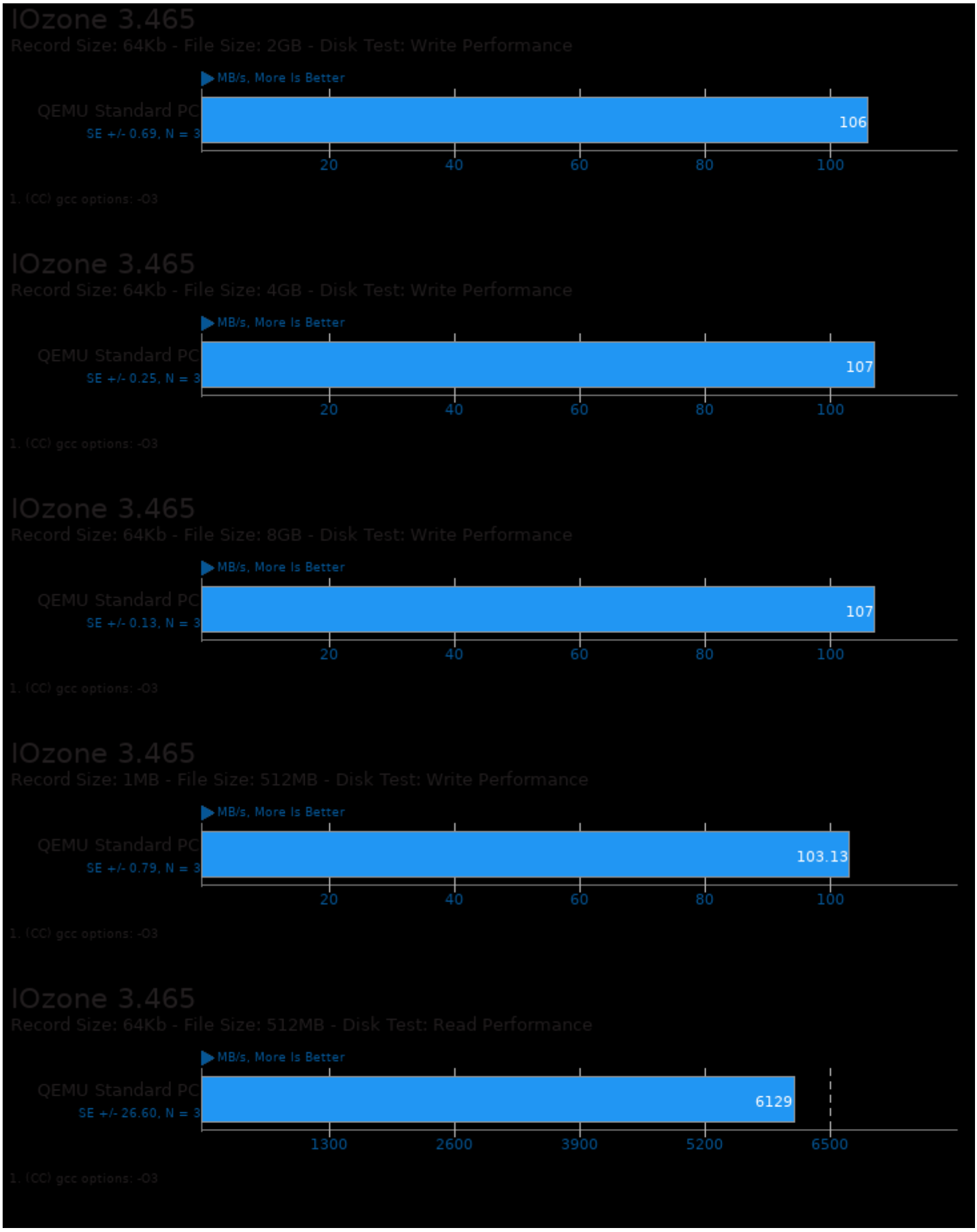
IOzone - 64Kb - 512MB - Write Performance (MB/s)	105
Standard Deviation	0.1%


IOzone 3.465
Record Size: 4Kb - File Size: 512MB - Disk Test: Read Performance
MB/s, More Is Better
QEMU Standard PC
SE +/- 10.86, N = 3
2353
sync off
SE +/- 79.73, N = 9
2273
mtu 9000
SE +/- 162.34, N = 9
1957
ntu9000
SE +/- 135.97, N = 12
1843
Common KVM - Red Hat QXL paravirtual graphic card -
SE +/- 137.12, N = 9
1659
500
1000
1500
2000
2500
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 4Kb - File Size: 512MB - Disk Test: Write Performance
MB/s, More Is Better
QEMU Standard PC
SE +/- 0.01, N = 3
102.63
sync off
SE +/- 4.37, N = 9
96.35
mtu 9000
SE +/- 1.76, N = 11
59.23
ntu9000
SE +/- 1.00, N = 4
58.62
Common KVM - Red Hat QXL paravirtual graphic card -
SE +/- 1.29, N = 12
58.27
20
40
60
80
100
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 1MB - File Size: 2GB - Disk Test: Read Performance
MB/s, More Is Better
QEMU Standard PC
SE +/- 0.14, N = 3
114
30
60
90
120
150
1. (CC) gcc options: -O3

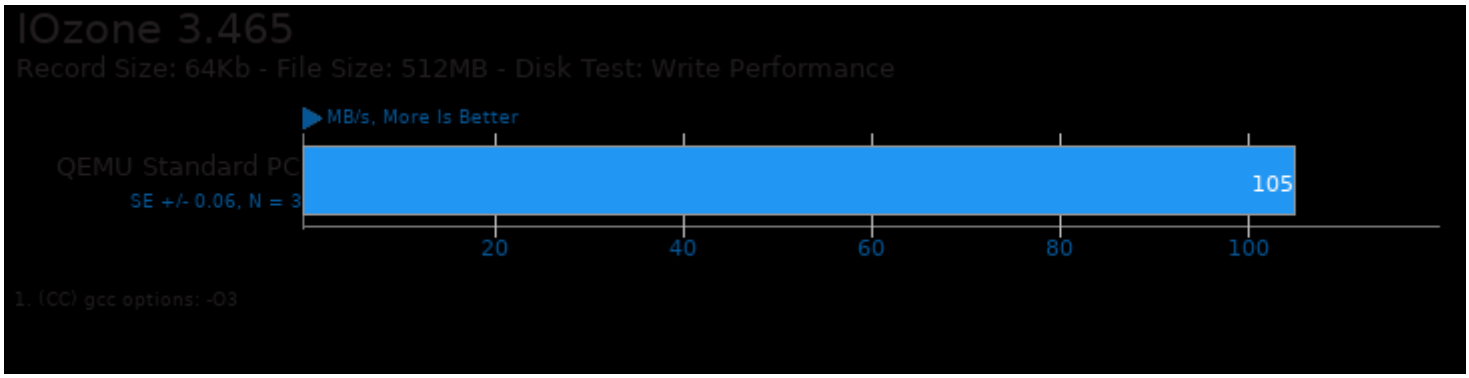

IOzone 3.465
Record Size: 1MB - File Size: 4GB - Disk Test: Read Performance
MB/s, More Is Better
QEMU Standard PC
SE +/- 0.15, N = 3
115
30
60
90
120
150
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 1MB - File Size: 8GB - Disk Test: Read Performance
MB/s, More Is Better
QEMU Standard PC
SE +/- 0.16, N = 3
114
30
60
90
120
150
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 4Kb - File Size: 2GB - Disk Test: Read Performance
MB/s, More Is Better
QEMU Standard PC
SE +/- 0.09, N = 3
115
30
60
90
120
150
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 4Kb - File Size: 4GB - Disk Test: Read Performance
MB/s, More Is Better
QEMU Standard PC
SE +/- 0.05, N = 3
116
30
60
90
120
150
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 4Kb - File Size: 8GB - Disk Test: Read Performance
MB/s, More Is Better
QEMU Standard PC
SE +/- 0.03, N = 3
116
30
60
90
120
150
1. (CC) gcc options: -O3


IOzone 3.465
Record Size: 1MB - File Size: 2GB - Disk Test: Write Performance
MB/s, More Is Better
QEMU Standard PC
SE +/- 0.43, N = 3
106
20
40
60
80
100
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 1MB - File Size: 4GB - Disk Test: Write Performance
MB/s, More Is Better
QEMU Standard PC
SE +/- 0.40, N = 3
106.07
20
40
60
80
100
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 1MB - File Size: 8GB - Disk Test: Write Performance
MB/s, More Is Better
QEMU Standard PC
SE +/- 0.17, N = 3
107.01
20
40
60
80
100
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 4Kb - File Size: 2GB - Disk Test: Write Performance
MB/s, More Is Better
QEMU Standard PC
SE +/- 0.01, N = 3
105
20
40
60
80
100
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 4Kb - File Size: 4GB - Disk Test: Write Performance
MB/s, More Is Better
QEMU Standard PC
SE +/- 0.40, N = 3
106
20
40
60
80
100
1. (CC) gcc options: -O3


IOzone 3.465
Record Size: 4Kb - File Size: 8GB - Disk Test: Write Performance
MB/s, More Is Better
QEMU Standard PC
SE +/- 0.19, N = 3
107
20
40
60
80
100
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 64Kb - File Size: 2GB - Disk Test: Read Performance
MB/s, More Is Better
QEMU Standard PC
SE +/- 0.14, N = 3
115
30
60
90
120
150
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 64Kb - File Size: 4GB - Disk Test: Read Performance
MB/s, More Is Better
QEMU Standard PC
SE +/- 0.02, N = 3
115
30
60
90
120
150
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 64Kb - File Size: 8GB - Disk Test: Read Performance
MB/s, More Is Better
QEMU Standard PC
SE +/- 0.13, N = 3
115.36
30
60
90
120
150
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 1MB - File Size: 512MB - Disk Test: Read Performance
MB/s, More Is Better
QEMU Standard PC
SE +/- 66.52, N = 9
5910
1300
2600
3900
5200
6500
1. (CC) gcc options: -O3


IOzone 3.465
Record Size: 64Kb - File Size: 2GB - Disk Test: Write Performance
MB/s, More Is Better
QEMU Standard PC
SE +/- 0.69, N = 3
106
20
40
60
80
100
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 64Kb - File Size: 4GB - Disk Test: Write Performance
MB/s, More Is Better
QEMU Standard PC
SE +/- 0.25, N = 3
107
20
40
60
80
100
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 64Kb - File Size: 8GB - Disk Test: Write Performance
MB/s, More Is Better
QEMU Standard PC
SE +/- 0.13, N = 3
107
20
40
60
80
100
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 1MB - File Size: 512MB - Disk Test: Write Performance
MB/s, More Is Better
QEMU Standard PC
SE +/- 0.79, N = 3
103.13
20
40
60
80
100
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 64Kb - File Size: 512MB - Disk Test: Read Performance
MB/s, More Is Better
QEMU Standard PC
SE +/- 26.60, N = 3
6129
1300
2600
3900
5200
6500
1. (CC) gcc options: -O3

testing01



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 04:10.