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read_write

Intel Celeron J4105 testing with a NP891 v1.0 (BAUAJA02 BIOS) and Intel UHD 605 on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

read_write_nano

Processor: Intel Celeron J4105 @ 1.50GHz (4 Cores), Motherboard: NP891 v1.0 (BAUAJA02 BIOS), Chipset: Intel Gemini Lake, Memory: 1 x 4096 MB DDR4-2400MT/s, Disk: 31GB BJTD4R, Graphics: Intel UHD 605 (750MHz), Audio: Realtek ALC662 rev3, Monitor: SONY TV, Network: Realtek RTL8111/8168/8411

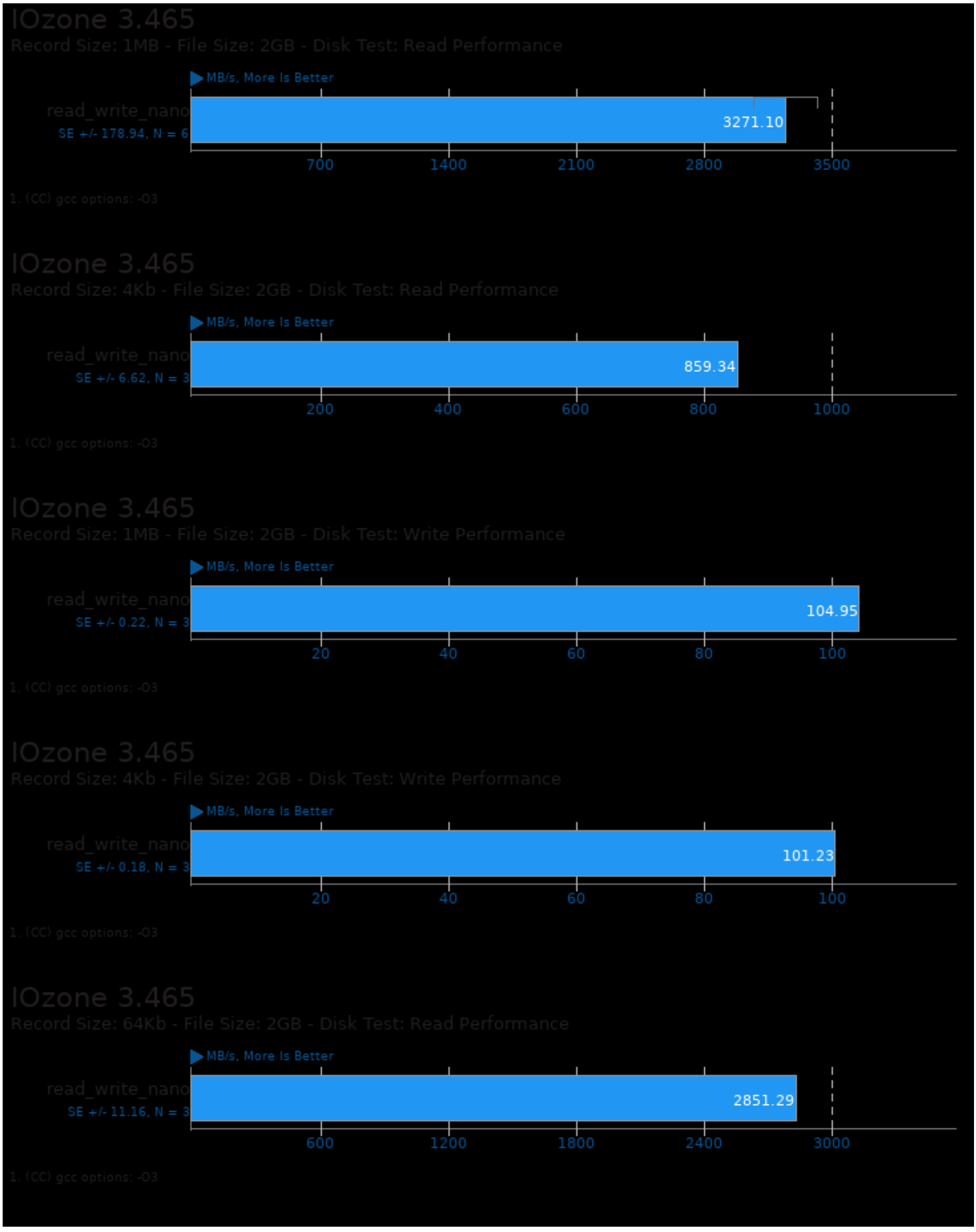
OS: Ubuntu 20.04, Kernel: 5.4.53-uhdgen (x86_64), Desktop: Openbox 3.6.1, Display Driver: intel 2.99.917, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1360x768

Kernel Notes: drm.edid_firmware=DP-1:edid/edid.bin
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --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++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none,hsa --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

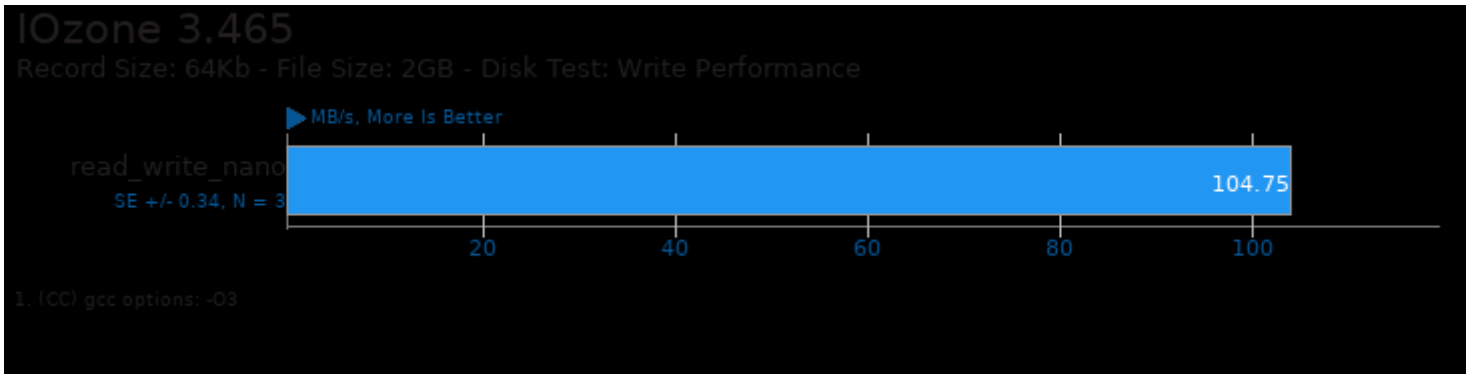
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--with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: intel_pstate powersave
Disk Mount Options Notes: discard,errors=remount-ro,noatime,rw
Security Notes: KPTI + usercopy/swapgs barriers and __user pointer sanitization + Enhanced IBRS IBPB: conditional RSB filling Protection

	read_write_nano
IOzone - 1MB - 2GB - Read Performance (MB/s)	3271
Standard Deviation	13.4%
IOzone - 4Kb - 2GB - Read Performance (MB/s)	859.34
Standard Deviation	1.3%
IOzone - 1MB - 2GB - Write Performance (MB/s)	104.95
Standard Deviation	0.4%
IOzone - 4Kb - 2GB - Write Performance (MB/s)	101.23
Standard Deviation	0.3%
IOzone - 64Kb - 2GB - Read Performance (MB/s)	2851
Standard Deviation	0.7%
IOzone - 64Kb - 2GB - Write Performance (MB/s)	104.75
Standard Deviation	0.6%


IOzone 3.465
Record Size: 1MB - File Size: 2GB - Disk Test: Read Performance
MB/s, More Is Better
read_write_nano
SE +/- 178.94, N = 6
3271.10
700
1400
2100
2800
3500
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 4Kb - File Size: 2GB - Disk Test: Read Performance
MB/s, More Is Better
read_write_nano
SE +/- 6.62, N = 3
859.34
200
400
600
800
1000
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 1MB - File Size: 2GB - Disk Test: Write Performance
MB/s, More Is Better
read_write_nano
SE +/- 0.22, N = 3
104.95
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
read_write_nano
SE +/- 0.18, N = 3
101.23
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
read_write_nano
SE +/- 11.16, N = 3
2851.29
600
1200
1800
2400
3000
1. (CC) gcc options: -O3

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This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 05:24.