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onnx 8100

Intel Core i3-8100 testing with a ASRock Z370M-ITX/ac (P4.10 BIOS) and Intel 8th Gen Core Gaussian Mixture Model 3GB on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

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4

5

Processor: Intel Core i3-8100 @ 3.60GHz (4 Cores), Motherboard: ASRock Z370M-ITX/ac (P4.10 BIOS), Chipset: Intel 8th Gen Core 4-core Desktop, Memory: 8GB, Disk: 60GB DREVO X1 SSD, Graphics: Intel 8th Gen Core Gaussian

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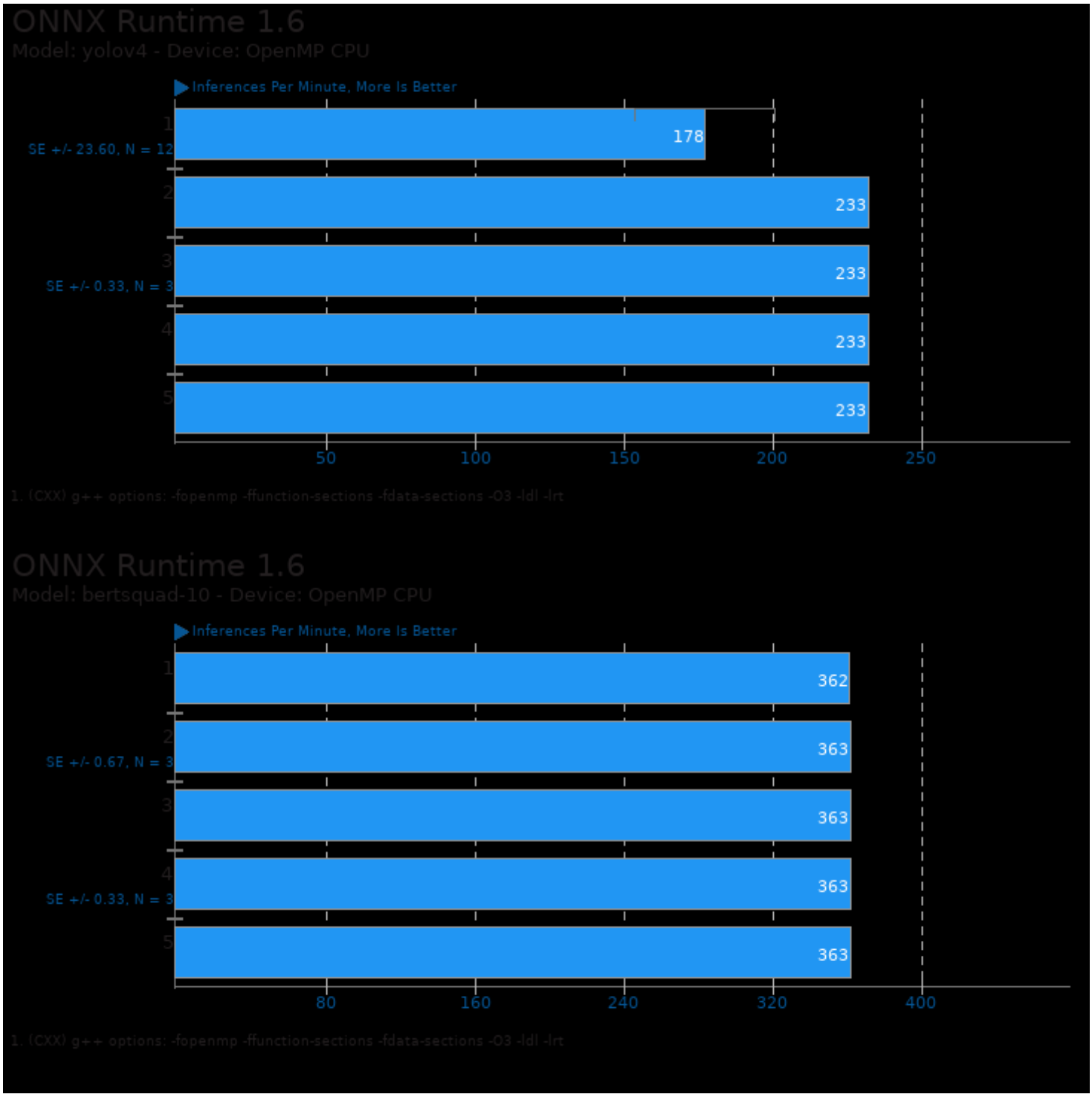
Mixture Model 3GB (1100MHz), Audio: Realtek ALC892, Monitor: VA2431, Network: Intel I219-V + Intel I211 + Intel Dual Band-AC 3168NGW

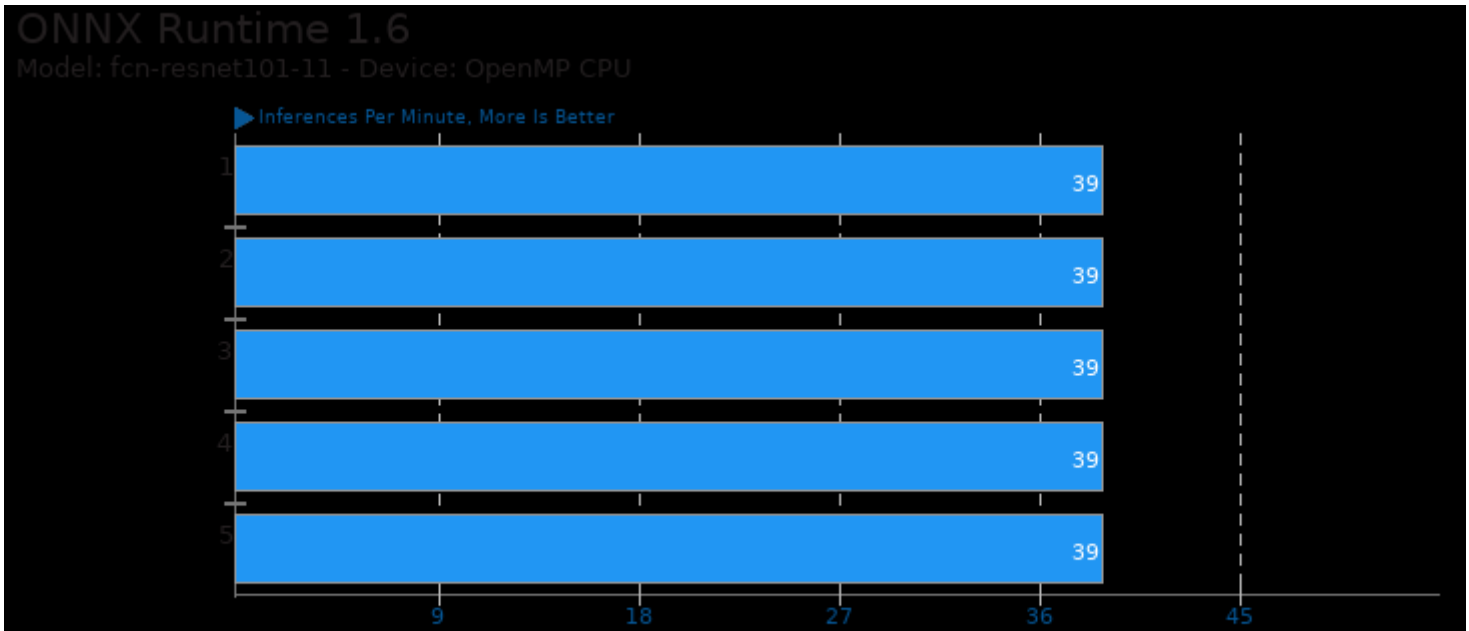
OS: Ubuntu 20.04, Kernel: 5.9.0-050900rc1daily20200819-generic (x86_64) 20200818, Desktop: GNOME Shell 3.36.4, Display Server: X Server 1.20.8, Display Driver: modesetting 1.20.8, OpenGL: 4.6 Mesa 20.0.8, Vulkan: 1.2.131, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1920x1080

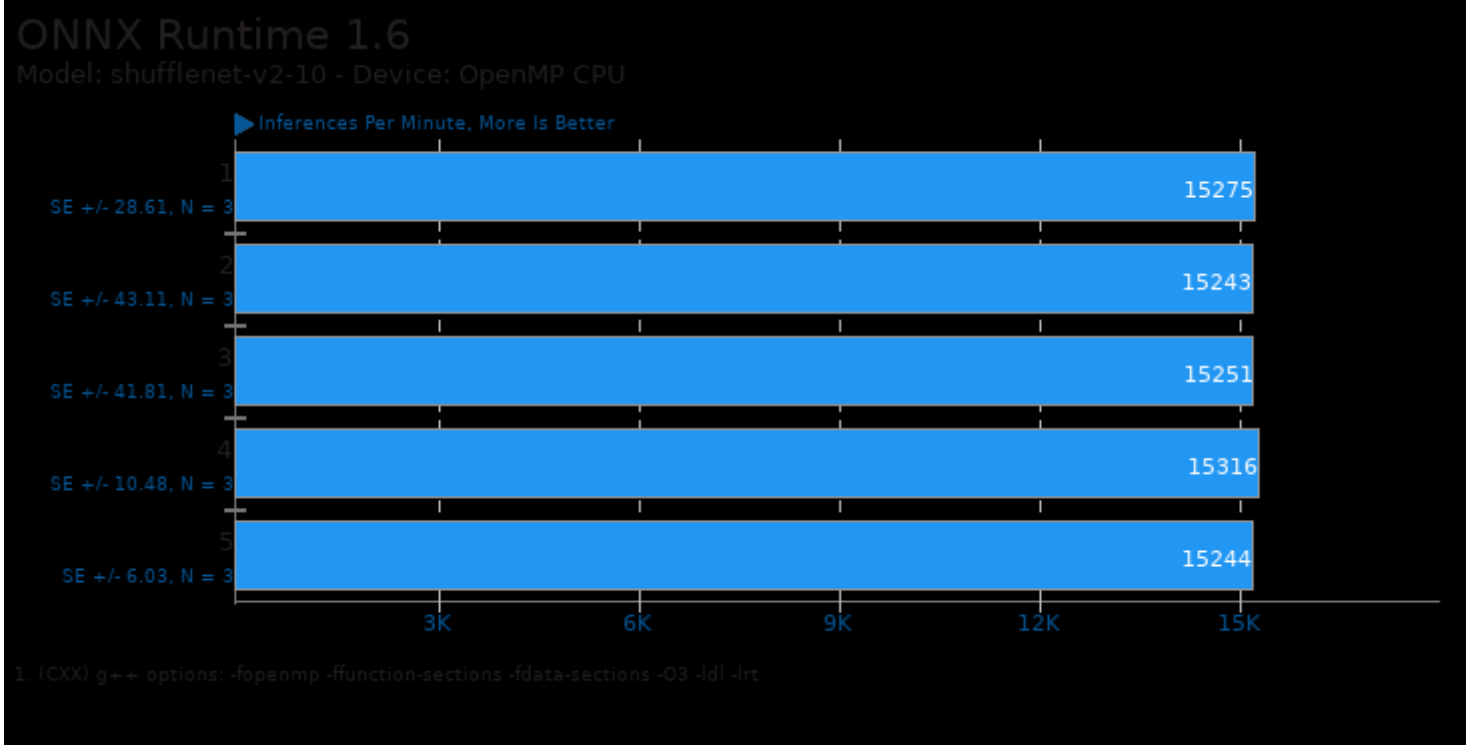
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-9-HskZEa/gcc-9-9.3.0/debian/tmp-nvptx/usr,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 --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 - CPU Microcode: 0xde - Thermald 1.9.1
Python Notes: Python 3.8.5
Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT disabled + mds: Mitigation of Clear buffers; SMT disabled + meltdown: Mitigation of PTI + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbds: Mitigation of Microcode + tsx_async_abort: Not affected

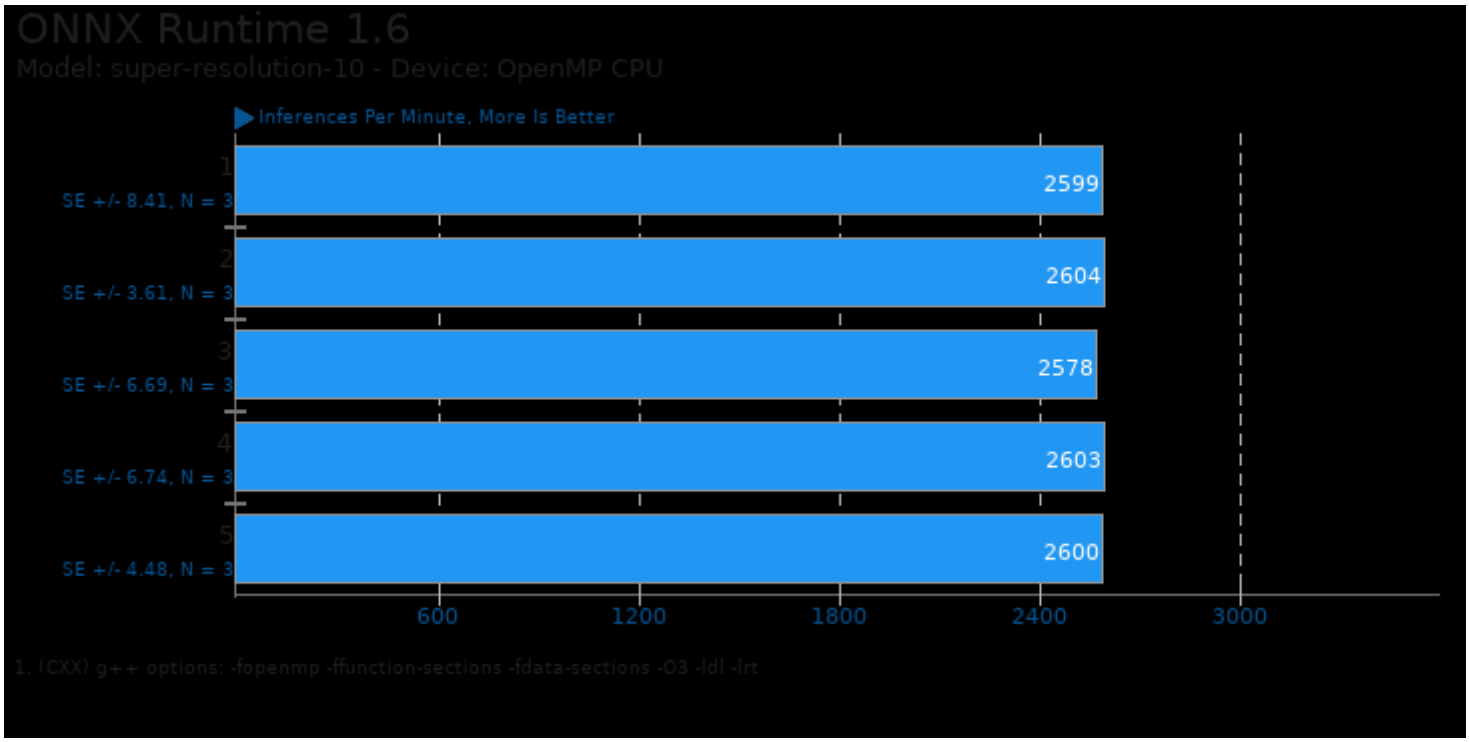
	1	2	3	4	5
ONNX Runtime - yolov4 - OpenMP CPU (Inferences/min)	178	233	233	233	233
Normalized	76.39%	100%	100%	100%	100%
Standard Deviation	45.9%		0.2%		
ONNX Runtime - bertsquad-10 - OpenMP CPU (Inferences/min)	362	363	363	363	363
Normalized	99.72%	100%	100%	100%	100%
Standard Deviation		0.3%		0.2%	
ONNX Runtime - fcn-resnet101-11 - OpenMP CPU	39	39	39	39	39
ONNX Runtime - shufflenet-v2-10 - OpenMP CPU (Inferences/min)	15275	15243	15251	15316	15244
Normalized	99.73%	99.52%	99.58%	100%	99.53%
Standard Deviation	0.3%	0.5%	0.5%	0.1%	0.1%
ONNX Runtime - super-resolution-10 - OpenMP CPU (Inferences/min)	2599	2604	2578	2603	2600
Normalized	99.81%	100%	99%	99.96%	99.85%
Standard Deviation	0.6%	0.2%	0.4%	0.4%	0.3%

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ONNX Runtime 1.6
Model: yolov4 - Device: OpenMP CPU
Inferences Per Minute, More Is Better
1
2
3
4
5
178
233
233
233
233
SE +/- 23.60, N = 12
SE +/- 0.33, N = 3
50
100
150
200
250
1. (CXX) g++ options: -fopenmp -ffunction-sections -fdata-sections -O3 -ldl -lrt
ONNX Runtime 1.6
Model: bertsquad-10 - Device: OpenMP CPU
Inferences Per Minute, More Is Better
1
2
3
4
5
362
363
363
363
363
SE +/- 0.67, N = 3
SE +/- 0.33, N = 3
80
160
240
320
400
1. (CXX) g++ options: -fopenmp -ffunction-sections -fdata-sections -O3 -ldl -lrt


ONNX Runtime 1.6
Model: fcn-resnet101-11 - Device: OpenMP CPU
Inferences Per Minute, More Is Better
1
2
3
4
5
39
39
39
39
39
9
18
27
36
45
1. (CXX) g++ options: -fopenmp -ffunction-sections -fdata-sections -O3 -ldl -lrt


ONNX Runtime 1.6
Model: shufflenet-v2-10 - Device: OpenMP CPU
Inferences Per Minute, More Is Better
1
2
3
4
5
SE +/- 28.61, N = 3
SE +/- 43.11, N = 3
SE +/- 41.81, N = 3
SE +/- 10.48, N = 3
SE +/- 6.03, N = 3
15275
15243
15251
15316
15244
3K
6K
9K
12K
15K
1. (CXX) g++ options: -fopenmp -ffunction-sections -fdata-sections -O3 -ldl -lrt



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 09:51.