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phoronix-openvino-test-v2.txt

Intel Core i9-9900 testing with a ASUS TUF Z390-PLUS GAMING (WI-FI) (2808 BIOS) and ASUS Intel UHD 630 3GB on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

Intel Core i9-9900 - ASUS Intel UHD 630 3GB - ASUS

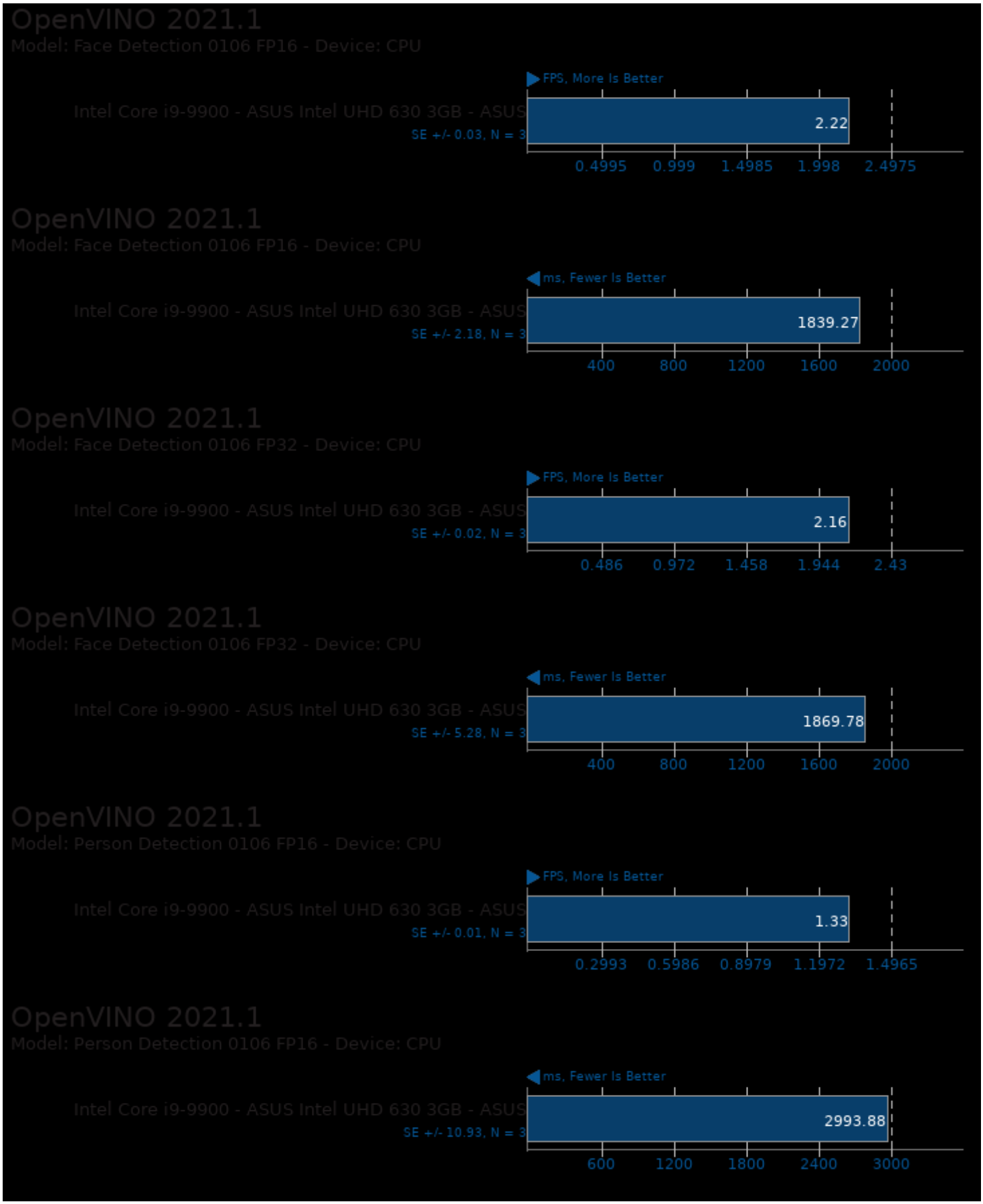
Processor: Intel Core i9-9900 @ 5.00GHz (8 Cores / 16 Threads), Motherboard: ASUS TUF Z390-PLUS GAMING (WI-FI) (2808 BIOS), Chipset: Intel Cannon Lake PCH, Memory: 32GB, Disk: 1024GB INTEL SSDPEKKW010T8, Graphics: ASUS Intel UHD 630 3GB (1200MHz), Audio: Realtek ALCS1200A, Monitor: DELL P2418D, Network: Intel I219-V + Intel-AC 9560

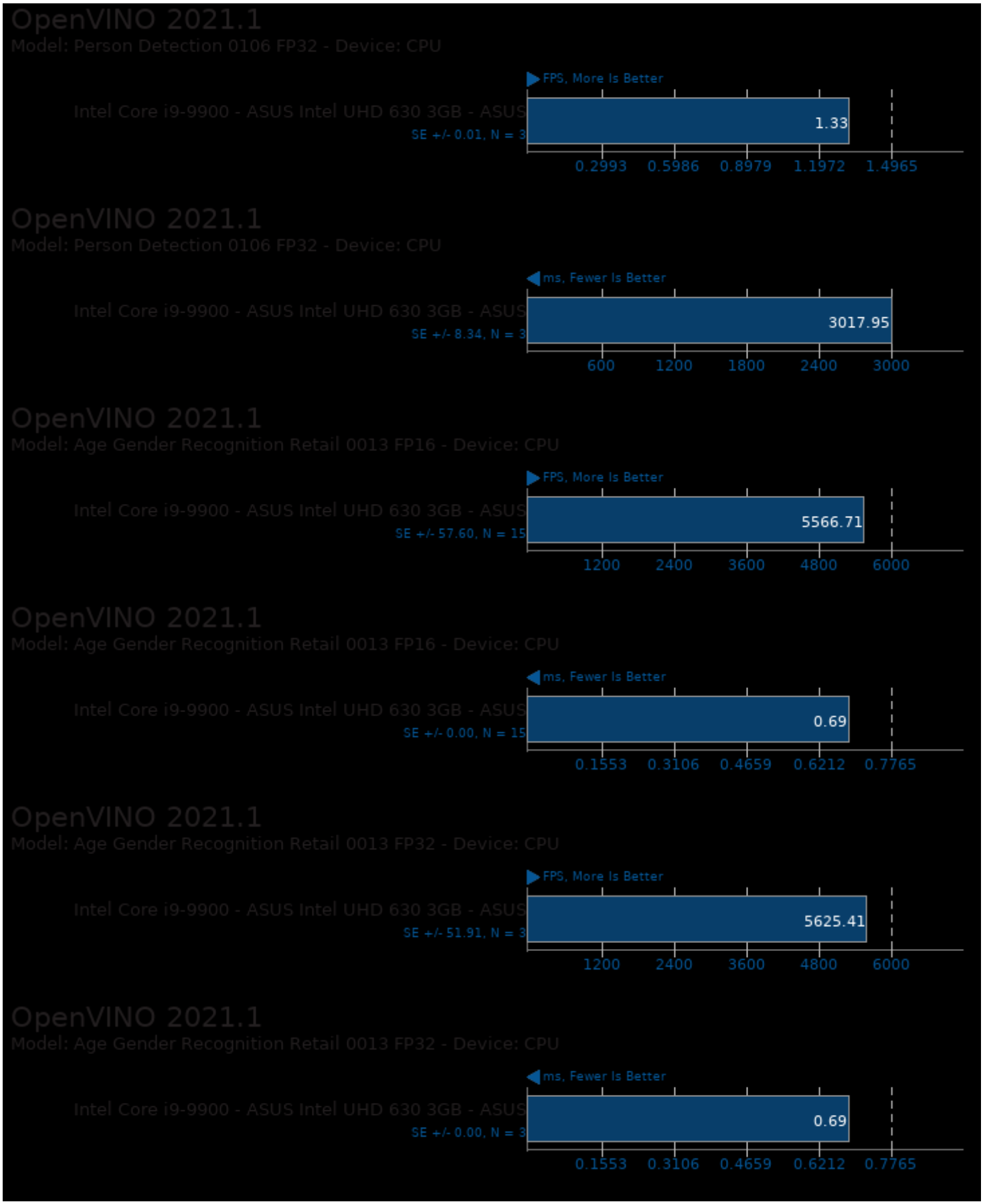
OS: Ubuntu 20.04, Kernel: 5.4.0-48-generic (x86_64), Desktop: GNOME Shell 3.36.4, Display Server: X Server 1.20.8, Display Driver: modesetting 1.20.8, OpenGL: 4.6 Mesa 20.3.0-devel (git-556bb17 2020-10-10 focal-oibaf-ppa), OpenCL: OpenCL 2.1, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 2560x1440

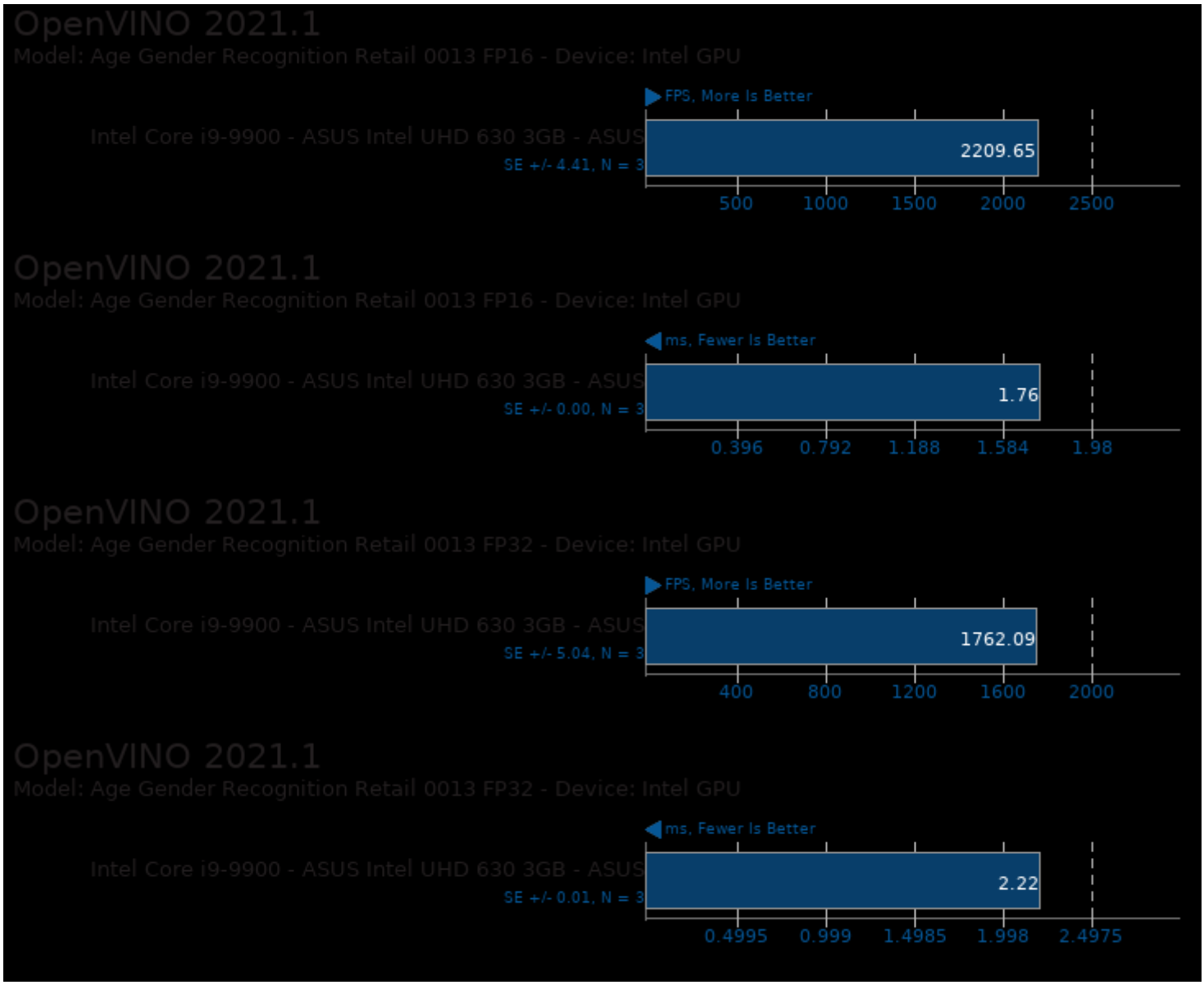
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch

--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: 0xd6
Python Notes: Python 3.8.5
Security Notes: itlb_multihit: KVM: Vulnerable + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 Enhanced IBRS IBPB: conditional RSB filling + srbds: Mitigation of TSX disabled + tsx_async_abort: Mitigation of TSX disabled

	Intel Core i9-9900 - ASUS Intel UHD 630 3GB - ASUS
OpenVINO - F.D.0.F - CPU (FPS)	2.22
Standard Deviation	2.5%
OpenVINO - F.D.0.F - CPU (ms)	1839
Standard Deviation	0.2%
OpenVINO - F.D.0.F - CPU (FPS)	2.16
Standard Deviation	1.3%
OpenVINO - F.D.0.F - CPU (ms)	1870
Standard Deviation	0.5%
OpenVINO - P.D.0.F - CPU (FPS)	1.33
Standard Deviation	0.8%
OpenVINO - P.D.0.F - CPU (ms)	2994
Standard Deviation	0.6%
OpenVINO - P.D.0.F - CPU (FPS)	1.33
Standard Deviation	1.1%
OpenVINO - P.D.0.F - CPU (ms)	3018
Standard Deviation	0.5%
OpenVINO - A.G.R.R.0.F - CPU (FPS)	5567
Standard Deviation	4%
OpenVINO - A.G.R.R.0.F - CPU (ms)	0.69
Standard Deviation	0.7%
OpenVINO - A.G.R.R.0.F - CPU (FPS)	5625
Standard Deviation	1.6%
OpenVINO - A.G.R.R.0.F - CPU (ms)	0.69
Standard Deviation	0%
OpenVINO - A.G.R.R.0.F - Intel GPU (FPS)	2210
Standard Deviation	0.3%
OpenVINO - A.G.R.R.0.F - Intel GPU (ms)	1.76
Standard Deviation	0.3%
OpenVINO - A.G.R.R.0.F - Intel GPU (FPS)	1762
Standard Deviation	0.5%
OpenVINO - A.G.R.R.0.F - Intel GPU (ms)	2.22
Standard Deviation	0.8%


OpenVINO 2021.1
Model: Face Detection 0106 FP16 - Device: CPU
FPS, More Is Better
Intel Core i9-9900 - ASUS Intel UHD 630 3GB - ASUS
SE +/- 0.03, N = 3
2.22
0.4995
0.999
1.4985
1.998
2.4975
OpenVINO 2021.1
Model: Face Detection 0106 FP16 - Device: CPU
ms, Fewer Is Better
Intel Core i9-9900 - ASUS Intel UHD 630 3GB - ASUS
SE +/- 2.18, N = 3
1839.27
400
800
1200
1600
2000
OpenVINO 2021.1
Model: Face Detection 0106 FP32 - Device: CPU
FPS, More Is Better
Intel Core i9-9900 - ASUS Intel UHD 630 3GB - ASUS
SE +/- 0.02, N = 3
2.16
0.486
0.972
1.458
1.944
2.43
OpenVINO 2021.1
Model: Face Detection 0106 FP32 - Device: CPU
ms, Fewer Is Better
Intel Core i9-9900 - ASUS Intel UHD 630 3GB - ASUS
SE +/- 5.28, N = 3
1869.78
400
800
1200
1600
2000
OpenVINO 2021.1
Model: Person Detection 0106 FP16 - Device: CPU
FPS, More Is Better
Intel Core i9-9900 - ASUS Intel UHD 630 3GB - ASUS
SE +/- 0.01, N = 3
1.33
0.2993
0.5986
0.8979
1.1972
1.4965
OpenVINO 2021.1
Model: Person Detection 0106 FP16 - Device: CPU
ms, Fewer Is Better
Intel Core i9-9900 - ASUS Intel UHD 630 3GB - ASUS
SE +/- 10.93, N = 3
2993.88
600
1200
1800
2400
3000


OpenVINO 2021.1
Model: Person Detection 0106 FP32 - Device: CPU
FPS, More Is Better
Intel Core i9-9900 - ASUS Intel UHD 630 3GB - ASUS
SE +/- 0.01, N = 3
1.33
0.2993 0.5986 0.8979 1.1972 1.4965
OpenVINO 2021.1
Model: Person Detection 0106 FP32 - Device: CPU
ms, Fewer Is Better
Intel Core i9-9900 - ASUS Intel UHD 630 3GB - ASUS
SE +/- 8.34, N = 3
3017.95
600 1200 1800 2400 3000
OpenVINO 2021.1
Model: Age Gender Recognition Retail 0013 FP16 - Device: CPU
FPS, More Is Better
Intel Core i9-9900 - ASUS Intel UHD 630 3GB - ASUS
SE +/- 57.60, N = 15
5566.71
1200 2400 3600 4800 6000
OpenVINO 2021.1
Model: Age Gender Recognition Retail 0013 FP16 - Device: CPU
ms, Fewer Is Better
Intel Core i9-9900 - ASUS Intel UHD 630 3GB - ASUS
SE +/- 0.00, N = 15
0.69
0.1553 0.3106 0.4659 0.6212 0.7765
OpenVINO 2021.1
Model: Age Gender Recognition Retail 0013 FP32 - Device: CPU
FPS, More Is Better
Intel Core i9-9900 - ASUS Intel UHD 630 3GB - ASUS
SE +/- 51.91, N = 3
5625.41
1200 2400 3600 4800 6000
OpenVINO 2021.1
Model: Age Gender Recognition Retail 0013 FP32 - Device: CPU
ms, Fewer Is Better
Intel Core i9-9900 - ASUS Intel UHD 630 3GB - ASUS
SE +/- 0.00, N = 3
0.69
0.1553 0.3106 0.4659 0.6212 0.7765



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