

CPU Inference Engines:	Xeon® Gold 6238L	Xeon® Gold 5218T	Xeon® Platinum 8280	Intel® Xeon® Silver 6338N
Motherboard	Intel Corporation / S2600STB	Intel Corporation / S2600STB	Intel Corporation / S2600STB	M50CYP2SB1U Coyote Pass
CPU	Intel® Xeon® Gold 6238L CPU @ 2.10GHz	Intel® Xeon® Gold 5218T CPU @ 2.10GHz	Intel® Xeon® Platinum 8280 CPU @ 2.70GHz	Intel® Xeon® Silver 6338N CPU @ 2.20GHz
Hyper Threading	on	on	on	on
Turbo Setting	on	on	on	on
Memory	12 x 32 GB DDR4 2666MHz	12 x 32 GB DDR4 2666MHz	12 x 32 GB DDR4 2933MHz	16 x 16 GB DDR4 3200MHz
Operating System	Ubuntu* 22.04.5 LTS	Ubuntu* 24.04.2 LTS	Ubuntu* 24.04.2 LTS	Ubuntu* 24.04.2 LTS
Kernel version	6.8.0-64-generic	6.8.0-63-generic	6.8.0-71-generic	6.8.0-64-generic
BIOS Vendor	Intel Corporation	Intel Corporation	Intel Corporation	Intel Corporation
BIOS Version	SE5C620.86B.02.01.0013.121520200651	SE5C620.86B.02.01.0013.121520200651	SE5C620.86B.02.01.0009.092820190230	SE5C620.86B.01.01.0006.2207150335
BIOS Release	12/15/2020	12/15/2020	9/28/2019	7/15/2022
NUMA nodes	2	2	2	2
Precision	INT8/FP32	INT8/FP32	INT8/FP32	INT8/FP32
Test Date	11/18/2025	11/18/2025	11/18/2025	11/18/2025

CPU Inference Engines:	Intel® Xeon® Platinum 8380	Intel® Xeon® Platinum 8480+	Xeon® Platinum 8580	Xeon® 6972P
Motherboard	M50CYP2SB1U Coyote Pass	Intel Corporation / Archer City	Intel Corporation Archer City CRB	Intel Corporation Avenue City CRB
CPU	Intel® Xeon® Gold 8380 CPU @ 2.30GHz	Intel® Xeon® Gold 84880+ CPU @ 1.9 GHz.	Intel® Xeon® Platinum 8580 CPU @ 2.0GHz	Intel® Xeon® 6979P CPU @ 2.1GHz
Hyper Threading	on	on	on	on
Turbo Setting	on	on	on	on
Memory	16 x 16 GB DDR4 3200MHz	16 x 16 GB DDR5 4800MHz	12 x 16 GB DDR5 5600MHz	24 x 64 GB DDR5 6400MHz
Operating System	Ubuntu 24.04.2 LTS	Ubuntu 24.04.2 LTS	Ubuntu 24.04.2 LTS	CentOS Stream 9
Kernel version	6.8.0-71-generic	6.8.0-71-generic	6.8.0-71-generic	6.6.0-gnr.bkc.6.6.32.1.46.x86_64
BIOS Vendor	Intel Corporation	Intel Corporation	Intel Corporation	Intel Corporation
BIOS Version	SE5C620.86B.01.01.0006.2207150335	EGSDREL1.SYS.9409.P31.2302280828	EGSDREL1.SYS.1752.P05.2401050250	BHSDCRB1.IPC.3544.P29.2412180038
BIOS Release	7/15/2022	2/28/2023	1/5/2024	12/18/2024
NUMA nodes	2	2	2	6
Precision	INT8/FP32	INT8/FP32/BF16	INT8/FP32/BF16	INT8/FP32/BF16
Test Date	11/18/2025	11/18/2025	11/18/2025	11/18/2025

CPU Inference Engines:	Intel Processor N100	Amston Lake	Xeon® 6726-B	TGL-UP3
Motherboard	AZW-EQ	AAEON UPN-ADLN01	Intel Corporation CRB	NUC11TNKv7
CPU	Intel® Processor N100 @ 800 MHz	12th Gen Intel® Atom™ x7433RE @ 1.5 GHz	Intel® Xeon® 6726P-B CPU @ 2.3GHz	11th Gen Intel® Core™ i7-1185G7 @ 3.0GHz
Hyper Threading	off	off	on	on
Turbo Setting	oon	on	on	on
Memory	1x16GB DDR5 @ 4800 MT/s	4 x 4 GB DDR5 6400MHz	4 x32 GB DDR5 6400MHz	2 x 32 GB DDR4 2667MHz
Operating System	Ubuntu 24.04.2 LTS	Ubuntu 24.04.2 LTS	Ubuntu 24.04.3 LTS	Ubuntu 24.04.2 LTS
Kernel version	6.8.0-64-generic	6.8.0-63-generic	6.8.0-71-generic	6.8.0-71-generic
BIOS Vendor	AMI	Intel Corporation	Intel Corporation	Intel Corporation
BIOS Version	N95V106	AMI, UNASAM13	KVLDCRB1.IPC.3038.P13.2508220621	TNTGLV57.9026.2020.0916.1340
BIOS Release	12/15/2023	5/22/2024	8/22/2025	9/16/2020
Batch size	1	1	1	1
Precision	INT8/FP16/FP32	INT8/FP16/FP32	INT8/FP32	INT8/FP16/FP32
Test Date	11/18/2025	11/18/2025	11/18/2025	11/18/2025

CPU Inference Engines:	Core i5-13600K	Core i9-13900K	ADL-P	MTL-H
Motherboard	Intel Corporation NUC13SBBi5 / M89887-303	Intel Corporation Raptor Lake Client Platform	NUC 12SNKi72	ASUSTek, NUC14RVH
CPU	Intel® Core™ i5-13600K CPU @ 3.5 GHz	Intel® Core™ i9-13900K CPU @ 3.0GHz	Intel® Core™ i7-12700H	Intel® Core Ultra 155H @ 1.4 GHz
Hyper Threading	on	on	on	on
Turbo Setting	on	on	on	on
Memory	2 x 32 GB DDR5 4800MHz	2 x 32 GB DDR5 4800MHz	2 x 8 GB DDR4 3200MHz	2 x 16 GB DDR5 @ 5600 MHz.
Operating System	Ubuntu 24.04.2 LTS	Ubuntu 24.04.2 LTS	Ubuntu 24.04.2 LTS	Windows 11, 23H2
Kernel version	6.8.0-63-generic	6.8.0-63-generic	6.8.0-63-generic	22631.4169
BIOS Vendor	Intel Corporation	Intel Corporation	Intel Corporation	Lenovo
BIOS Version	SBRPL579.0053.2022.1125.0101	SBRPL579.0053.2022.1125.0101	SNADL357.0056.2022.1102.1218	RVMTL357.0046.2024.1122.1109
BIOS Release	11/25/2022	11/25/2022	11/2/2023	11/22/2024
Batch size	1	1	1	1
Precision	INT8/FP32	INT8/FP32	INT8/FP16/FP32	INT8/FP16/FP32
Test Date	11/18/2025	11/18/2025	11/18/2025	11/18/2025

CPU Inference Engines:	TGL-UP3	ADL-P	LNL-258V	RPL-P
Motherboard	Intel B622	Partaker	AsusTek NUC Desktop	Giga-computing, GB-BRi7HS-1355
CPU	11th Gen Intel® Core™ i7-1185GRE @ 2.8GHz	Intel® Core™ i5-1235U	Intel® Ultra7-258V @ 2.2GHz	Intel® Core™ i7-1355U
Hyper Threading	on	on	n/a	on
Turbo Setting	on	on	on	on
Memory	1 x 16 GB DDR4 3200MHz	1 x 32 GB DDR4 @ 2666 MHz	32 GB LPDDR5 @ 8533 MHz	2 x 16 GB DDR4 @ 3200MT/s
Operating System	Ubuntu 24.04.2 LTS	Ubuntu 24.04.2 LTS	Windows 11	Ubuntu 24.04.2 LTS
Kernel version	6.8.0-64-generic	6.8.0-64-generic	10.0.26100 Build 26100	6.8.0-64-generic
BIOS Vendor	Intel Corporation	AMI	Intel Corporation	AMI
BIOS Version	B622AR02.BIN	5.27	LNLFWI1.R00.3221.D83.2408120121, 8/12/2024	F03
BIOS Release	9/29/2021	2/22/2023	8/12/2024	4/27/2023
Batch size	1	1	1	1
Precision	INT8/FP16/FP32	INT8/FP16/FP32	INT8/FP16/FP32	INT8/FP16/FP32
Test Date	11/18/2025	11/18/2025	11/18/2025	11/18/2025

CPU Inference Engines:	RPL-P	ARL-H
Motherboard	Giga-computing, GB-BRi5HS-1335	AsusTek, NUC Desktop
CPU	Intel® Core™ i5-1335U	Intel® Ultra 7-265H @ 2.2 GHz
Hyper Threading	on	n/a
Turbo Setting	on	on
Memory	2 x 16 GB DDR4 @ 3200MT/s	2 x 16 GB DDR5 @ 6400MT/s
Operating System	Ubuntu 24.04.2 LTS	Windows 11 Entpr. 24H2
Kernel version	6.8.0-71-generic	10.0.26100 Build 26100
BIOS Vendor	AMI	Intel Corporation
BIOS Version	F03	ASUSTeK COMPUTER INC. CRARLV57.0024.2025.0507.1536, 5/7/2025
BIOS Release	4/27/2023	5/7/2025
Batch size	1	1
Precision	INT8/FP16/FP32	INT8/FP16/FP32
Test Date	11/18/2025	11/18/2025

GPU Inference Engines:	Intel® Dedicated Graphics Family GPU	Intel® Dedicated Graphics Family GPU	Intel® Dedicated Graphics Family GPU	Intel® Dedicated Graphics Family GPU
GPU	Arc™ Pro-B60	ARC™ A-770M	ARC™ B-580	ARC™ A-750E
Connection	PCIe 54, 1x8	PCIe G4, 1x16	PCIe G4, 1x8	PCIe G4, 1x16
Batch size	1	1	1	1
Precision	FP16, INT8, INT4	FP16, INT8, INT4	FP16, INT8, INT4	FP16, INT8, INT4
Number of concurrent inference requests	Automatic	Automatic	Automatic	Automatic
Memory	24 GB DDR6, 456 GB/s	16 GB DDR6, 512 GB/s	16 GB DDR6, 456 GB/s	16 GB DDR6, 560 GB/s
HPC & AI	FP16, INT8, INT4	FP32, FP16, BF16, INT8, INT4	FP32, FP16, BF16, INT8, INT4	FP32, FP16, BF16, INT8, INT4
Form Factor	3/4L Full Height, Fan cooled	3/4L Full Height, Fan cooled	3/4L Full Height, Fan cooled	3/4L Full Height, Fan cooled
X ^e cores	20	32	20	28
EUs	160	512	160	448
Device ID	8086-E211	8086-5690	8086-E20B	8086-56BE
Test Date	11/18/2025	11/18/2025	11/18/2025	11/18/2025
Host Machine	NUC13 Core i9-13900K	Core™ i7-12700H, Serpent Canyon	Core™ i9-13900K	Intel® Core™ i9-13900K
Motherboard	Intel Corporation Raptor Lake Client Platform	Intel corp NUC 12SNKi72	Intel corp RPL-S UDIMM CRB	Intel Corporation NUC13SBBi9
CPU	Intel® Core™ i9-13900K @ 3.0 GHz	Intel® Core™ i7-12700H CPU @ 2.30GHz	Intel® Core™ i9-13900K CPU @ 2.0 GHz	Intel® Core™ i9-13900K @ 3.0 GHz
Hyper Threading	on	on	on	on
Turbo Setting	on	on	on	on
Memory	2 x 32 GB DDR5 4800MHz	2 x 8 GB DDR4 3200MHz	2 x 16 GB DDR5 5600MHz	2 x 32 GB DDR5 @ 4800MT/s
Operating System	Ubuntu 24.04.1 LTS	Ubuntu 24.04.2 LTS	Windows 11 Pro	Ubuntu 24.04.2 LTS
Kernel version	6.8.0-55-generic	6.8.0-58-generic	24H2-26100.2454	6.11.0-061100-generic
BIOS Vendor	Intel Corporation	Intel Corporation	Intel Corporation	Intel Corporation
BIOS Version	SBRPL579.0053.2022.1125.0101	SNADL357.0056.2022.1102.1218	RPLSFWI1.R00.3492.A00.2211291114, 11/29/2022	SBRPL579.0047.2022.1006.1728
BIOS Release	11/25/2022	11/2/2022	11/29/2022	10/6/2022

OpenVINO™ Model Server Platform with Intel® Xeon® Platinum 8260M			OpenVINO™ Model Server Platform with Intel® Xeon® Gold 6238	
	Server Platform	Client Platform	Server Platform	Client Platform
Motherboard	Inspur YZMB-00882-104 NF5280M5	Intel® Server Board S2600WF R2224WFTZSR	Inspur, NF5280M5, MB: YZMB-00882-104	Inspur YZMB-00882-104 NF5280M5
Memory	Samsung 16 x 16GB @ 2666 MT/s DDR4	Hynix 16 x 16GB @ 2933 MT/s DDR4	Kingston 16 x 16GB @ 2933 MT/s DDR4	Samsung 16 x 16GB @ 2666 MT/s DDR4
CPU	Intel® Xeon® Platinum 8260M CPU @ 2.40GHz	Intel® Xeon® Gold 6252 CPU @ 2.10GHz	Intel(R) Xeon(R) Gold 6238M CPU @ 2.10GHz	Intel® Xeon® Platinum 8260M CPU @ 2.40GHz
Selected CPU Flags	Hyper Threading, Turbo Boost, DL Boost	Hyper Threading, Turbo Boost, DL Boost	Hyper Threading, Turbo Boost, DL Boost	Hyper Threading, Turbo Boost, DL Boost
CPU Thermal Design Power	162 W	150 W	140W	162 W
Operating System	Ubuntu 22.04.4 LTS	Ubuntu 22.04.4 LTS	Ubuntu 22.04.4 LTS	Ubuntu 22.04.4 LTS
Kernel Version	6.2.0-060200-generic	6.2.0-060200-generic	6.5.10-060510-generic	6.2.0-060200-generic
BIOS Vendor	American Megatrends Inc.	Intel® Corporation	American Megatrends Inc.	American Megatrends Inc.
BIOS Version & Release	4.1.16, date: 06/23/2020	SE5C620.86B.02.01, date: 03/26/2020	4.1.16, 06/23/2020	4.1.16, date: 06/23/2020
Docker Version	20.10.3	20.10.3	20.10.3	20.10.3
Network Speed	40 Gb/s		40 Gb/s	

OpenVINO™ Model Server Platform with Intel® Core™ i9-11900K			OpenVINO™ Model Server Platform with Intel® Core™ i7-11700K	
	Server Platform	Client Platform	Server Platform	Client Platform
Motherboard	Wortman AG, Gigabyte Technology Z590M	ASUSTeK COMPUTER INC. PRIME X299-AII	ASUSTeK COMPUTER INC. PRIME Z590-P	Wortman AG, Gigabyte Technology Z590M
Memory	Samsung 4 x 32GB @ 3200 MT/s DDR4	Kingston 2 x 32GB @ 2660 MT/s DDR4	Kingston 2 x 32GB @ 2400 MT/s DDR4	Samsung 4 x 32GB @ 3200 MT/s DDR4
CPU	Intel® Core™ i9-11900K CPU @ 3.50GHz	Intel® Core™ i9-10920X CPU @ 3.50GHz	Intel® Core™ i7-11700K CPU @ 3.60GHz	Intel® Core™ i9-11900K CPU @ 3.50GHz
Selected CPU Flags	Hyper Threading, Turbo Boost, DL Boost	Hyper Threading, Turbo Boost, DL Boost	Hyper Threading, Turbo Boost	Hyper Threading, Turbo Boost, DL Boost
CPU Thermal Design Power	125 W	165 W	125W	125 W
Operating System	Ubuntu 22.04.4 LTS	Ubuntu 22.04.4 LTS	Ubuntu 22.04.4 LTS	Ubuntu 22.04.4 LTS
Kernel Version	6.5.10-060510-generic	6.2.0-060200-generic	6.8.0-45-generic	6.5.10-060510-generic
BIOS Vendor	American Megatrends Inc.	American Megatrends Inc.	American Megatrends Inc.	American Megatrends Inc.
BIOS Version and Release Date	F7C, date: 08/04/2022	702, 06/10/2020	1017, date: 07/12/2021	F7C, date: 08/04/2022
Docker Version	19.03.13	20.10.0	19.03.14	19.03.13
Network Speed	10 Gb/s		10 Gb/s	

OpenVINO™ Model Server Platform with Intel® Core™ i3-10100		
	Server Platform	Client Platform
Motherboard	ASUSTeK COMPUTER INC. PRIME Z590-P	ASUSTeK COMPUTER INC. PRIME Z590-P
Memory	Kingston 2 x 32GB @ 2400 MT/s DDR4	Kingston 2 x 32GB @ 2400 MT/s DDR4
CPU	Intel® Core™ i3-10100 CPU @ 3.60GHz	Intel® Core™ i7-11700K CPU @ 3.60GHz
Selected CPU Flags	-	Hyper Threading, Turbo Boost
CPU Thermal Design Power	65 W	125W
Operating System	Ubuntu 22.04.4 LTS	Ubuntu 22.04.4 LTS
Kernel Version	6.5.10-060510-generic	6.8.0-45-generic
BIOS Vendor	American Megatrends Inc.	American Megatrends Inc.
BIOS Version and Release Date	0407, date: 01/14/2021	1017, date: 07/12/2021
Docker Version	20.10.0	19.03.14
Network Speed	10 Gb/s	