

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* 24.04.1 LTS	Ubuntu* 24.04.1 LTS	Ubuntu* 24.04.1 LTS
Kernel version	6.8.0-55-generic	6.8.0-55-generic	6.8.0-55-generic	6.8.0-55-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	4/2/2025	4/2/2025	4/2/2025	4/2/2025

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 24.04.1 LTS	Ubuntu 24.04.1 LTS	Ubuntu 24.04.1 LTS	CentOS Stream 9
Kernel version	6.8.0-55-generic	6.8.0-55-generic	6.8.0-55-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	4/2/2025	4/2/2025	4/2/2025	4/2/2025

CPU Inference Engines:	Intel Processor N100	Elkhart Lake	Alder Lake N	Intel® Celeron® 6305E
Motherboard	AZW-EQ	Elkhart Lake DDR4 CRB	Alder Lake N DDR4 RVP	Intel Corporation / TigerLake U DDR4 SODIMM RVP
CPU	Intel® Processor N100 @ 800 MHz	Intel® Atom x7211RE @ 2.0GHz	12th Gen Intel® Atom™ x7425E @ 1.5 GHz	Intel® Celeron 6305E @ 1.80GHz
Hyper Threading	off	off	off	off
Turbo Setting	oon	on	on	on
Memory	1x16GB DDR5 @ 4800 MT/s	1 x 8 GB DDR4 3200MHz	1 x 4 GB DDR4 3200MHz	2 x 8 GB DDR4 3200MHz
Operating System	Ubuntu 24.04.1 LTS	Ubuntu 24.04.1 LTS	Ubuntu 24.04.1 LTS	Ubuntu 24.04.1 LTS
Kernel version	6.8.0-55-generic	6.11.0-19-generic	6.11.0-19-generic	6.11.0-19-generic
BIOS Vendor	AMI	Intel Corporation	Intel Corporation	Intel Corporation
BIOS Version	N95V106	SB_EHL.001.001.000.001.007.00015.R	EHL5FW11.R00.2512.A01.2012171339	TGLIFUI1.R00.4391.A03.2201140438
BIOS Release	12/15/2023	7/12/2023	12/17/2020	1/14/2022
Batch size	1/1/1900	1	1	1
Precision	INT8/FP16/FP32	INT8/FP16/FP32	INT8/FP16/FP32	INT8/FP16/FP32
Test Date	4/2/2025	4/2/2025	4/2/2025	4/2/2025

CPU Inference Engines:	TGL-UP3	Core i5-13600K	Core i9-13900K	ADL-P
Motherboard	NUC11TNKv7	Intel Corporation NUC13SBBi5 / M89887-303	Intel Corporation Raptor Lake Client Platform	NUC 12SNKi72
CPU	11th Gen Intel® Core™ i7-1185G7 @ 3.0GHz	Intel® Core™ i5-13600K CPU @ 3.5 GHz	Intel® Core™ i9-13900K CPU @ 3.0GHz	Intel® Core™ i7-12700H
Hyper Threading	on	on	on	on
Turbo Setting	on	on	on	on
Memory	2 x 32 GB DDR4 2667MHz	2 x 32 GB DDR5 4800MHz	2 x 32 GB DDR5 4800MHz	2 x 8 GB DDR4 3200MHz
Operating System	Ubuntu 24.04.1 LTS	Ubuntu 24.04.1 LTS	Ubuntu 24.04.1 LTS	Ubuntu 24.04.1 LTS
Kernel version	6.8.0-55-generic	6.8.0-55-generic	6.8.0-55-generic	6.8.0-55-generic
BIOS Vendor	Intel Corporation	Intel Corporation	Intel Corporation	Intel Corporation
BIOS Version	TNTGLV57.9026.2020.0916.1340	SBRPL579.0053.2022.1125.0101	SBRPL579.0053.2022.1125.0101	SNADL357.0056.2022.1102.1218
BIOS Release	9/16/2020	11/25/2022	11/25/2022	11/2/2023
Batch size	1	1	1	1
Precision	INT8/FP16/FP32	INT8/FP32	INT8/FP32	INT8/FP16/FP32
Test Date	4/2/2025	4/2/2025	4/2/2025	4/2/2025

CPU Inference Engines:	MTL-H	TGL-UP3	LNL-288V	RPL-P
Motherboard	Lenovo, LNVNB161216	Intel B622	Intel Corporation	Giga-computing, GB-BRi7HS-1355
CPU	Intel® Core Ultra 155H @ 1.4 GHz	11th Gen Intel® Core™ i7-1185GRE @ 2.8GHz	Intel® Ultra 7-288V @ 2.2GHz	Intel® Core™ i7-1355U
Hyper Threading	on	on	n/a	on
Turbo Setting	on	on	on	on
Memory	2 x 16 GB LPDDR5 @ 7467 MHz.	1 x 16 GB DDR4 3200MHz	32 GB LPDDR5 @ 8533 MHz	2 x 16 GB DDR4 @ 3200MT/s
Operating System	Windows 11, 23H2	Ubuntu 24.04.1 LTS	Windows 11	Ubuntu 24.04.1 LTS
Kernel version	22631.4169	6.8.0-55-generic	10.0.22631 Build 22631	6.8.0-55-generic
BIOS Vendor	Lenovo	Intel Corporation	Intel Corporation	AMI
BIOS Version	NPCN27WW	B622AR02.BIN	LNLFWI1.R00.3221.D83.2408120121, 8/12/2024	F03
BIOS Release	3/27/2024	9/29/2021	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	4/2/2025	4/2/2025	4/2/2025	4/2/2025

CPU Inference Engines:	ADL-P	RPL-P	ARL-H
Motherboard	Partaker	Giga-computing, GB-BRi5HS-1335	Intel Corporation CRB SODIMM DDR5
CPU	Intel® Core™ i5-1235U	Intel® Core™ i5-1335U	Intel® Ultra 7-265H @ 2.2 GHz
Hyper Threading	on	on	n/a
Turbo Setting	on	on	on
Memory	1 x 32 GB DDR4 @ 2666 MHz	2 x 16 GB DDR4 @ 3200MT/s	2 x 16 GB DDR5 @ 6400MT/s
Operating System	Ubuntu 24.04.1 LTS	Ubuntu 24.04.1 LTS	Windows 11 Entpr. 24H2
Kernel version	6.8.0-55-generic	6.8.0-55-generic	10.0.26100 Build 26100
BIOS Vendor	AMI	AMI	Intel Corporation
BIOS Version	5.27	F03	MTLPEM1.R00.4404.D55.2412181125
BIOS Release	2/22/2023	4/27/2023	12/18/2024
Batch size	1	1	1
Precision	INT8/FP16/FP32	INT8/FP16/FP32	INT8/FP16/FP32
Test Date	4/2/2025	4/2/2025	4/2/2025

GPU Inference Engines:	Data Center GPU	Intel® Dedicated Graphics Family GPU	Intel® Dedicated Graphics Family GPU	Intel® Dedicated Graphics Family GPU
GPU	Flex-170	ARC™ A-770M	ARC™ B-580	ARC™ A-750E
Connection	PCIe G4, 1x16	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	16 GB DDR6, 576 GB/s	16 GB DDR6, 512 GB/s	16 GB DDR6, 456 GB/s	16 GB DDR6, 560 GB/s
HPC & AI	FP32, FP16, BF16, INT8, INT4	FP32, FP16, BF16, INT8, INT4	FP32, FP16, BF16, INT8, INT4	FP32, FP16, BF16, INT8, INT4
Form Factor	3/4L Full Height, Passively cooled	3/4L Full Height, Passively cooled	3/4L Full Height, Passively cooled	3/4L Full Height, Fan cooled
X ⁸ cores	32	32	20	28
EUs	512	512	160	448
Device ID	8086-56C0	8086-5690	8086-E20B	8086-56BE
Test Date	4/2/2025	4/2/2025	4/2/2025	4/2/2025
Host Machine	Xeon® Platinum 8480+	Core™ i7-12700H, Serpent Canyon	Core™ i9-13900K	ARL-H Atlas Peak + Reef Ridge CRB
Motherboard	KAYTUS NF5280-M7-A0-R0-00	Intel corp NUC 12SNKi72	Intel corp RPL-S UDIMM CRB	Intel Corporation CRB SODIMM DDR5
CPU	Intel® Xeon® Platinum 8480+ CPU @ 2.0GHz	Intel® Core™ i7-12700H CPU @ 2.30GHz	Intel® Core™ i9-13900K CPU @ 2.0 GHz	Intel® Ultra 7-265H @ 2.2 GHz
Hyper Threading	on	on	on	n/a
Turbo Setting	on	on	on	on
Memory	16 x 16 GB DDR4 4800MHz	2 x 8 GB DDR4 3200MHz	2 x 16 GB DDR5 5600MHz	2 x 32 GB DDR5 @ 6400MT/s
Operating System	Ubuntu 24.04.1 LTS	Ubuntu 24.04.1 LTS	Windows 11 Pro	Windows 11 Entpr. 24H2
Kernel version	6.8.0-55-generic	6.8.0-55-generic	24H2-26100.2454	10.0.26100 Build 26100
BIOS Vendor	Intel Corporation	Intel Corporation	Intel Corporation	Intel Corporation
BIOS Version	06.02.00, u-code: 0x2b000603	SNADL357.0056.2022.1102.1218	RPLSFWI1.R00.3492.A00.2211291114, 11/29/2022	MTLPEMI1.R00.4404.D55.2412181125
BIOS Release		11/2/2022	11/29/2022	12/18/2024

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	