

CPU/System	Cores	Simulation Speed, ns/day	Simulation Speed per Core, ns/day/core	Power, W	Energy Efficiency, ns/kWh	N
ARM Fujitsu A64FX, SVE 512bit (SBU-Ookami, GCC)	48	<div><div></div></div> 22.3 ± 0.2	<div><div></div></div> 0.46	111 ± 8	<div><div></div></div> 8.43 ± 0.6	32
ARM Fujitsu A64FX, SVE 512bit (SBU-Ookami, Fujitsu)	48	<div><div></div></div> 22.8 ± 0.3	<div><div></div></div> 0.48	105 ± 5	<div><div></div></div> 9.06 ± 0.4	12
ARM Cavium ThunderX2 (SBU-Ookami)	64	<div><div></div></div> 28.8 ± 4.2	<div><div></div></div> 0.45			14
ARM Amazon Graviton 2, Neoverse N1 (AWS)	48	<div><div></div></div> 37.8 ± 0.1	<div><div></div></div> 0.79			20
ARM Amazon Graviton 3, Neoverse V1, SVE 256bit (AWS)	48	<div><div></div></div> 57.0 ± 0.4	<div><div></div></div> 1.19			20
ARM Amazon Graviton 3, Neoverse V1, SVE 256bit (AWS)	64	<div><div></div></div> 71.4 ± 1.0	<div><div></div></div> 1.12			20
ARM Ampere Altra, Neoverse N1 (Google)	48	<div><div></div></div> 39.0 ± 1.8	<div><div></div></div> 0.81			11
ARM Ampere Altra, Neoverse N1 (Azure)	48	<div><div></div></div> 41.0 ± 2.2	<div><div></div></div> 0.85			11
ARM Ampere Altra, Neoverse N1 (Azure)	64	<div><div></div></div> 56.5 ± 0.6	<div><div></div></div> 0.88	270 *	<div><div></div></div> 8.71	20
x86 AMD EPYC 7742 Zen2(Rome), AVX2 (PSC Bridges-2)	128	<div><div></div></div> 109.6 ± 4.8	<div><div></div></div> 0.86			20
x86 AMD EPYC 7742 Zen2(Rome), AVX2 (SDSC Expanse)	128	<div><div></div></div> 99.8 ± 8.6	<div><div></div></div> 0.78			20
x86 AMD EPYC 7763 Zen3(Milan), AVX2 (Purdue Anvil)	128	<div><div></div></div> 169.9 ± 4.4	<div><div></div></div> 1.33			20
x86 Intel Xeon Plat. 8160, Skylake-X, AVX512 (TACC-Stampede 2)	48	<div><div></div></div> 70.4 ± 0.8	<div><div></div></div> 1.47			11
x86 Intel Xeon Plat. 8380, Ice Lake, AVX512 (TACC-Stampede 2)	80	<div><div></div></div> 133.3 ± 6.0	<div><div></div></div> 1.67			20
x86 Intel Xeon Gold 6130, Skylake-X, AVX512 (UBHPC)	32	<div><div></div></div> 37.6 ± 0.9	<div><div></div></div> 1.18	379 ± 33	<div><div></div></div> 4.17 ± 0.4	21
x86 Intel Xeon Gold 6130, Skylake-X, AVX512 (UBHPC ICC)	32	<div><div></div></div> 39.3 ± 0.9	<div><div></div></div> 1.23	367 ± 35	<div><div></div></div> 4.5 ± 0.5	11
x86 Intel Xeon Gold 6330, Ice Lake, AVX512 (UBHPC)	56	<div><div></div></div> 81.7 ± 6.9	<div><div></div></div> 1.46	633 ± 28	<div><div></div></div> 5.38 ± 0.4	12
x86 Intel Xeon Gold 6330, Ice Lake, AVX512 (UBHPC ICC)	56	<div><div></div></div> 103.0 ± 2.0	<div><div></div></div> 1.84	619 ± 17	<div><div></div></div> 6.94 ± 0.2	17
x86 Intel Xeon Gold 6130, NVIDIA V100x2 (UBHPC)	32	<div><div></div></div> 145.1 ± 2.8		435 ± 7	<div><div></div></div> 13.91 ± 0.3	12
x86 Intel Xeon Gold 6330, NVIDIA A100x2 (UBHPC)	56	<div><div></div></div> 236.5 ± 10.8		707 ± 9	<div><div></div></div> 13.94 ± 0.8	11