

Workstation Notebook (HX-Series)

The world's highest performing mobile CPU.¹



The fastest mobile processor¹

Powerful performance in a hybrid design



The best gaming laptop platform²

Ultimate gameplay with Intel® Killer™ Wi-Fi 6E and Thunderbolt™ 4



Built for professionals and enthusiasts

Professional-grade performance for scientists, engineers, and creators



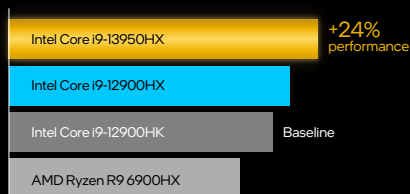
13th Gen Intel® Core™ mobile processors—HX-series

13th Gen Intel Core mobile processor	Processor cores	Processor threads	Number of Performance-cores (P-cores)	Number of Efficient-cores (E-cores)	Intel® Smart Cache	Maximum turbo frequency (GHz)		Base frequency (GHz)		Processor graphics	Maximum graphics frequency (GHz)
						P-cores	E-cores	P-cores	E-cores		
i9-13980HX	24	32	8	16	36 MB	5.6	4.0	2.2	1.6	32 EU	1.65
i9-13950HX	24	32	8	16	36 MB	5.5	4.0	2.2	1.6	32 EU	1.65
i9-13900HX	24	32	8	16	36 MB	5.4	3.9	2.2	1.6	32 EU	1.65
i7-13850HX	20	28	8	12	30 MB	5.3	3.8	2.1	1.5	32 EU	1.60
i7-13700HX	16	24	8	8	30 MB	5.0	3.7	2.1	1.5	32 EU	1.55
i7-13650HX	14	20	6	8	24 MB	4.9	3.6	2.6	1.9	16 EU	1.55
i5-13600HX	14	20	6	8	24 MB	4.8	3.6	2.6	1.9	32 EU	1.50
i5-13500HX	14	20	6	8	24 MB	4.7	3.5	2.5	1.8	16 EU	1.50
i5-13450HX	10	16	6	4	20 MB	4.6	3.4	2.4	1.8	16 EU	1.45

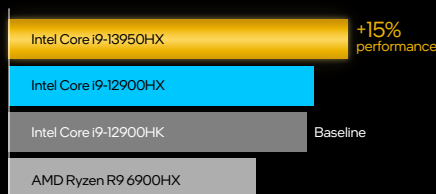
Blazing-fast performance for design professionals and content creators



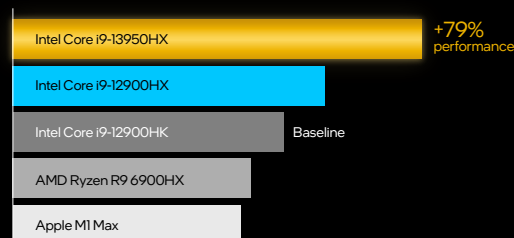
AutoCAD
Cadalyst—total score



Puget Bench for After Effects



3D Rendering Performance
Blender v3.3.1 BMW (CPU)



■ Intel Core i9-13950HX
MSI Titan GT77 HX with NVIDIA GeForce RTX 3080 Ti at 175 W

■ Intel Core i9-12900HX
MSI GT77 Titan with NVIDIA GeForce RTX 3080 Ti at 175 W

■ Intel Core i9-12900HK
MSI GE76 Raider with NVIDIA GeForce RTX 3080 Ti at 175 W

■ Ryzen 9 6900HX
Dell Alienware M17 with NVIDIA GeForce RTX 3080 Ti at 155 W

■ Apple M1 Max
MacBook Pro 16 with 32-core integrated graphics processing unit (GPU)

Performance varies by use, configuration and other factors. Learn more at www.intel.com/PerformanceIndex. Performance results are based on testing as of dates shown in configurations and may not reflect all publicly available updates. See backup for configuration details. No product or component can be absolutely secure. Your costs and results may vary. Intel technologies may require enabled hardware, software or service activation. © Intel Corporation. Intel, the Intel logo, and other Intel marks are trademarks of Intel Corporation or its subsidiaries. Other names and brands may be claimed as the property of others.

1. At 5.6GHz, 13th Gen Intel Core i9-13950HX is the fastest mobile processor as of December 2022.

2. Based on unique features and superior in-game benchmark mode performance of 13th Gen Intel® Core™ i9-13950HX with NVIDIA RTX 3080 Ti GPU vs 12th Gen Intel® Core™ i9-12900HX with same GPU and vs AMD R9-6900HX with same GPU. Other names and brands may be claimed as the property of others.