

Family	Ryzen
Generation	Ryzen 9
Series	6000
Model	AMD Ryzen 9 6900HX
Platform	Laptop
Release Date	Q1 2021
CPU Cores	8
Threads	16
Base Clock	3.3GHz
Max. Boost Clock	Up to 4.9GHz
L1 Cache	512KB
L2 Cache	4MB
L3 Cache	16MB
Unlocked for Overclocking	Yes
Processor Technology for CPU Cores	TSMC 6nm FinFET
CPU Socket	FP7
PCI Express Version	PCIe® 4.0
Default TDP	45W
Configurable TDP	NA
Max. Operating Temperature (Tjmax)	95°C
*OS Support	Windows 11 - 64-Bit Edition, Windows 10 - 64-Bit Edition, RHEL x86 64-Bit, Ubuntu x86 64-Bit *Operating System (OS) support will vary by manufacturer.
RAM Type	DDR5
Supported RAM	DDR5
Memory Channels	2
Graphics Core Count	12
Graphics Frequency	2400 MHz
GPU Base	AMD Radeon 680M
Supported Technologies	AMD "Zen 3+" Core Architecture
<b>BenchMarks</b>	
Cinebench R23 Single Core	14521
Cinebench R23 Multi Core	1664
Geekbench5 Single Core	13926
Geekbench5 Multi Core	28894
CPU PassMark	Ryzen

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