

Family	Ryzen
Generation	Ryzen 9
Series	6000
Model	AMD Ryzen 9 6900HS
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	No
Processor Technology for CPU Cores	TSMC 6nm FinFET
CPU Socket	NA
PCI Express Version	PCIe® 4.0
Default TDP	35W
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	13219
Cinebench R23 Multi Core	1453
Geekbench5 Single Core	12029
Geekbench5 Multi Core	23252
CPU PassMark	Ryzen

## If you Want to check Benchmarks

### Ryzen Desktop Processors

#### Ryzen 3

[1000 Series](#)

[2000 Series](#)

[3000 Series](#)

[4000 Series](#)

[5000 Series](#)

[7000 Series](#)

#### Ryzen 5

[1000 Series](#)

[2000 Series](#)

[3000 Series](#)

[4000 Series](#)

[5000 Series](#)

[7000 Series](#)

#### Ryzen7

[1000 Series](#)

[2000 Series](#)

[3000 Series](#)

[4000 Series](#)

[5000 Series](#)

[7000 Series](#)

#### Ryzen 9

[3000 Series](#)

[5000 Series](#)

[7000 Series](#)

### AMD Server Processors

[EPYC 7001 Series](#)

[EPYC 7002 Series](#)

[EPYC 7003 Series](#)

[EPYC 9004 Series](#)