

Family	Ryzen
Generation	Ryzen 9
Series	5000
Model	AMD Ryzen 9 5980HX
Platform	Laptop
Release Date	01-12-2021
CPU Cores	8
Threads	16
Base Clock	3.3GHz
Max. Boost Clock	Up to 4.8GHz
L1 Cache	NA
L2 Cache	4MB
L3 Cache	16MB
Unlocked for Overclocking	NA
Processor Technology for CPU Cores	TSMC 7nm FinFET
CPU Socket	FP6
PCI Express Version	PCIe® 3.0
Default TDP	45+W
Configurable TDP	35-54W
Max. Operating Temperature (Tjmax)	105°C
*OS Support	Windows 10 - 64-Bit Edition, RHEL x86 64-Bit, Ubuntu x86 64-Bit *Operating System (OS) support will vary by manufacturer.
RAM Type	DDR4
Supported RAM	Up to 3200MHz, LPDDR4 - Up to 4266MHz
Memory Channels	NA
Graphics Core Count	8
Graphics Frequency	2100 MHz
GPU Base	AMD Radeon Graphics
Supported Technologies	AMD "Zen 3" Core Architecture
<b>BenchMarks</b>	
Cinebench R23 Single Core	15803
Cinebench R23 Multi Core	1783
Geekbench5 Single Core	15378
Geekbench5 Multi Core	26783
CPU PassMark	

## 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