

Family	Ryzen
Generation	Ryzen 7
Series	5000
Model	AMD Ryzen 7 5800U
Platform	Laptop
Release Date	01-12-2021
CPU Cores	8
Threads	16
Base Clock	1.9GHz
Max. Boost Clock	Up to 4.4GHz
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	15W
Configurable TDP	10-25W
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	DDR4 - Up to 3200MHz, LPDDR4 - Up to 4266MHz
Memory Channels	NA
Graphics Core Count	8
Graphics Frequency	2000 MHz
GPU Base	AMD Radeon Graphics
Supported Technologies	AMD "Zen 3" Core Architecture
BenchMarks	
Cinebench R23 Single Core	8999
Cinebench R23 Multi Core	1715
Geekbench5 Single Core	8679
Geekbench5 Multi Core	18157
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