

|                                    |  |
|------------------------------------|--|
| Family                             | Ryzen  |
| Generation                         | Ryzen 7  |
| Series                             | 5000   |
| Model                              | AMD Ryzen 7 5800H  |
| Platform                           | Laptop   |
| Release Date                       | 01-12-2021   |
| CPU Cores                          | 8  |
| Threads                            | 16   |
| Base Clock                         | 3.2GHz   |
| 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                        | 45W  |
| 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<br>*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                 | 2000 MHz   |
| GPU Base                           | AMD Radeon Graphics  |
| Supported Technologies             | AMD "Zen 3" Core Architecture  |

| BenchMarks                |       |
|---------------------------|-------|
| Cinebench R23 Single Core | 12185 |
| Cinebench R23 Multi Core  | 1721  |
| Geekbench5 Single Core    | 11832 |
| Geekbench5 Multi Core     | 24057 |
| CPU PassMark              |       |

## If you Want to check Benchmarks

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#### Ryzen 9

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