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|------------------------------------|--|
| Family | Ryzen |
| Generation | Ryzen 9 |
| Series | 5000 |
| Model | AMD Ryzen 9 5900HS |
| Platform | Laptop |
| Release Date | 01-12-2021 |
| CPU Cores | 8 |
| Threads | 16 |
| Base Clock | 3.0GHz |
| Max. Boost Clock | Up to 4.6GHz |
| L1 Cache | 8KB |
| 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 | 35W |
| Configurable TDP | NA |
| 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 | NA |
| Graphics Frequency | 2100 MHz |
| GPU Base | AMD Radeon Graphics |
| Supported Technologies | AMD "Zen 3" Core Architecture |

| BenchMarks | |
|---------------------------|-------|
| Cinebench R23 Single Core | 13309 |
| Cinebench R23 Multi Core | 1607 |
| Geekbench5 Single Core | 12170 |
| Geekbench5 Multi Core | 22425 |
| 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