Name

AMD Ryzen™ 7 5700

Family

Ryzen

Series

Ryzen 5000 Series

Form Factor

Desktops , Boxed Processor

Market Segment

Mainstream Desktop

Regional Availability

Global , China , NA , EMEA , APJ , LATAM

Former Codename

Cezanne

Processor Architecture

Zen 3

# of CPU Cores

8

# of Threads

16

Max. Boost Clock

Up to 4.6 GHz

Base Clock

3.7 GHz

L1 Cache

512 KB

L2 Cache

4 MB

L3 Cache

16 MB

Default TDP

65W

AMD Configurable TDP (cTDP)

45-65W

Processor Technology for CPU Cores

TSMC 7nm FinFET

CPU Compute Die (CCD) Size

180mm²

Package Die Count

1

Unlocked for Overclocking

Yes

CPU Socket

AM4

Supporting Chipsets

X570 , X470 , X370 , B550 , B450 , B350 , A520

CPU Boost Technology

Precision Boost 2

Instruction Set

x86-64

Supported Extensions

AES , AMD-V , AVX , AVX2 , FMA3 , MMX-plus , SHA , SSE , SSE2 , SSE3 , SSE4.1 , SSE4.2 , SSE4A , SSSE3 , x86-64

Thermal Solution (PIB)

AMD Wraith Stealth

Max. Operating Temperature (Tjmax)

95°C

Launch Date

01/31/2024

***OS Support**

Windows 10 - 64-Bit Edition , RHEL x86 64-Bit , Ubuntu x86 64-Bit , Windows 11 - 64-Bit Edition