CP-AR5800XT+F

AMD Ryzen 7 5800XT 8 Core 3.8GHz boost up to 4.7GHz 32MB Cache Socket AM4 Processor

Product Overview

AMD Ryzen 7 5800XT 8 Core 3.8GHz boost up to 4.7GHz 32MB Cache Socket AM4 Processor, 8 Cores / 16 threads, 512 KB L1 Cache, 4 MB L2 Cache, 32 MB L3 Cache, Unlocked clock multiplier, 105W TDP, Box CPU with Wraith Prism fan, No Built-In Graphics, 100-100001582box, Vermeer former codename



Specifications

Overview Summary:

The AMD Ryzen 7 5800XT delivers powerful performance with 8 cores and 16 threads, making it a great choice for gamers, creators, and professionals who need speed and efficiency. With boost speeds up to 4.7GHz, this processor ensures smooth gameplay, fast load times, and seamless multitasking. Its included Wraith Prism cooler provides reliable cooling and quiet operation, ensuring consistent performance under heavy workloads.

Built on AMD's Zen 3 architecture, the Ryzen 7 5800XT offers cutting-edge efficiency and power, making it ideal for gaming, streaming, and productivity. Shop now in South Africa and upgrade your desktop with a processor designed to handle demanding applications with ease.

Performance tier: Enthusiast Desktop

Uses: Gaming, streaming, content creation, productivity, multitasking

Overview:

AMD Ryzen 7 5800XT Processor
The AMD Ryzen 7 5800XT is a high-performance desktop CPU designed for power users, gamers, and creators who demand speed and efficiency. Built on AMD's advanced Zen 3 architecture, this processor delivers fast multi-core performance and exceptional responsiveness across gaming, streaming, and productivity workloads.

Description:

This processor combines 8 cores and 16 threads with boost speeds up to 4.7GHz, making it ideal for smooth gaming, multitasking, and creative applications. With a large 32MB L3 cache, an unlocked multiplier for overclocking, and an efficient

105W TDP design, it balances raw power with optimized thermal performance. Included with the Ryzen 7 5800XT is the Wraith Prism cooler for reliable cooling and quiet operation.

Features:

Processor Performance

- 8 cores and 16 threads
- Base clock: 3.8GHz
- Max boost: up to 4.7GHz
- Large 32MB L3 cache for faster load times
- 512KB L1 cache and 4MB L2 cache

Architecture and Technology

- Built on AMD Zen 3 design
- Socket AM4 compatibility
- Unlocked clock multiplier for flexible tuning
- Optimized power efficiency with 105W TDP

Cooling Solution

- Comes with Wraith Prism RGB cooler
- Reliable air cooling with low noise levels
- Easy installation for most setups

Graphics and Compatibility

- CPU does not include integrated graphics
- Requires a dedicated GPU for display output
- Works with a wide range of AM4 motherboards

Boxed Package Details

- Model: 100-100001582BOX
- Code name: Vermeer
- Retail package with cooling solution included

Specifications:

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Specifications	
Product Code	CP-AR5800XT+F
General Specifications	
Name	AMD Ryzen 7 5800XT
Family	Ryzen
Series	Ryzen 5000 Series
Form Factor	Boxed Processor, Desktops
Market Segment	Enthusiast Desktop
Regional Availability	Global

Former Codename	Vermeer
Processor Architecture	Zen 3
# of CPU Cores	8
Multithreading (SMT)	Yes
# of Threads	16
Max. Boost Clock	Up to 4.8 GHz
Base Clock	3.8 GHz
L1 Cache	512 KB
L2 Cache	4 MB
L3 Cache	32 MB
Default TDP	105W
Processor Technology for CPU Cores	TSMC 7nm FinFET
Processor Technology for I/O Die	12nm (Globalfoundries)
CPU Compute Die (CCD) Size	74mm²
I/O Die (IOD) Size	125mm²
Package Die Count	2
Unlocked for Overclocking	Yes
CPU Socket	AM4
Supporting Chipsets	X570 , B550 , A520 , X470 , B450
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 Prism
Max. Operating Temperature (Tjmax)	90degreesC
Launch Date	07/31/2024
***OS Support**	Windows 11 - 64-Bit Edition , Windows 10 - 64-Bit Edition , RHEL x86 64-Bit , Ubuntu x86 64-Bit
	Connectivity
Native USB 3.2 Gen 2 (10Gbps)	4
Native USB 3.2 Gen 1 (5Gbps)	0
Native USB 2.0 (480Mbps)	0
Native SATA Ports	2
PCI Express Version	PCIe 4.0
Native PCIe Lanes (Total/Usable)	24 , 20
Additional Usable PCIe Lanes from Motherboard	

amd_x570	16x Gen 4
amd_x470	2x Gen 3, 8x Gen 2
NVMe Support	Boot , RAID0 , RAID1 , RAID10
System Memory Type	DDR4
Memory Channels	2
Max. Memory	128 GB
System Memory Subtype	UDIMM
Max Memory Speed	
2x1R	DDR4-3200
2x2R	DDR4-3200
4x1R	DDR4-2933
4x2R	DDR4-2667
ECC Support	Yes (Requires mobo support)
	Graphics Capabilities
Graphics Model	Discrete Graphics Card Required
	Product IDs
Product ID Boxed	100-100001582WOF* , 100-100001582WOZ
Product ID Tray	100-000001582
Product ID MPK	100-100001582MPK , 100-100001582CPK
	Key Features
Supported Technologies	AMD Zen 3 Core Architecture , AMD StoreMI Technology , AMD Ryzen Master Utility , AMD Ryzen VR-Ready Premium

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/CP-AR5800XT-F-AMD-Ryzen-7-5800XT-8-Core-3-8GHz-boost-up-to-4-7GHz-32MB-Cache-Socket-p-329194.php

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