

AMD AMD Ryzen 9 9950X3D(100-100000719WOF)

AMD Ryzen 9 9950X3D - 4.3 GHz - 16-core - 32 threads - 128 MB cache - Socket AM5 - Box



Higher speeds. More memory. Wider bandwidth. You must push every lever, squeeze every ounce, and leave nothing on the table. AMD's Ryzen 9 processor was designed to break expectations and set a new standard for high-performance processors.

The AMD Ryzen 9 processor is built using advanced manufacturing technology to deliver winning performance while keeping your system astonishingly cool & quiet. Ryzen 9 processors feature support for the PCIe 4.0 ready platform, enabling the most advanced motherboards, graphics, and storage technologies available.

Main Specifications

Product Description	AMD Ryzen 9 9950X3D / 4.3 GHz processor - Box
Product Type	Processor
Processor Type	AMD Ryzen 9 9950X3D
Number of Cores	16-core / 32 threads
Cache	128 MB
Integrated Graphics	Radeon Graphics
Compatible Processor Socket	Socket AM5
Processor Qty	1
Clock Speed	4.3 GHz
Max Turbo Speed	5.7 GHz
Manufacturing Process	4 nm
Features	"Zen 5" Core Architecture, Advanced Vector Extensions (AVX), Advanced Vector Extensions 2 (AVX2), AES, AMD EXPO Technology, AMD Precision Boost 2 Technology, AMD Ryzen Master Utility, AMD RyzenTechnologies, AMD Simultaneous Multithreading (SMT), MMX instructions set

Extended Specification

General

Product Type	Processor
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Processor

Type / Form Factor	AMD Ryzen 9 9950X3D
Number of Cores	16-core
Number of Threads	32 threads
Cache	128 MB
Cache Memory Details	L3 - 128 MB L2 - 16 MB L1 - 1280 KB
Processor Qty	1
Clock Speed	4.3 GHz
Max Turbo Speed	5.7 GHz
Compatible Processor Socket	Socket AM5
Manufacturing Process	4 nm
Thermal Design Power	170 W
Thermal Specification	95 °C
PCI Express Revision	5.0
PCI Express Lanes Qty	28

Architecture Features	"Zen 5" Core Architecture, Advanced Vector Extensions (AVX), Advanced Vector Extensions 2 (AVX2), AES, AMD EXPO Technology, AMD Precision Boost 2 Technology, AMD Ryzen Master Utility, AMD RyzenTechnologies, AMD Simultaneous Multithreading (SMT), MMX instructions set
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Miscellaneous

Package Type	AMD Processor in a Box (PIB)
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Integrated Graphics

Type	Radeon Graphics
Base Frequency	2200 MHz

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