AMD Ryzen™ Threadripper 2950X Processor



2nd Gen AMD Ryzen™ Threadripper 2950X

Heavy Metal for Enthusiasts.

GET YOURS



16 cores provide an astonishing 32 threads of simultaneous multi-processing power, while 40MB of combined cache and vast I/O from the enthusiast-grade AMD X399 platform stand ready to feed the beast.

Up to 16 cores and 32 threads for lightning-fast creative workloads.

An unprecedented 64 PCIe® Gen3 lanes to meet large GPU and NVMe needs.

40MB of combined cache for rapid access to large data sets.

Quad channel DDR4 with available ECC support for reliable throughput.



AMD X399 chipset

The ultimate platform for PC enthusiasts

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Exceptional processors deserve exceptional cooling

Thermal solutions for Ryzen™ Threadripper processors from our partners

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Technologies



AMD SenseMI Technology

With AMD SenseMI technology, Ryzen™ processors use true machine intelligence to help accelerate performance.

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AMD "Zen" Core Architecture

Improved energy efficiency, higher clock speeds and more cores than ever before.

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AMD Ryzen™ Master Utility

The Simple and Powerful Overclocking Utility for AMD Ryzen™ processors.[1]

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AMD Ryzen™ Threadripper™ 2950X

Specifications

# of CPU Cores: 16

# of Threads: 32

Base Clock: 3.5GHz

Max Boost Clock: Up to 4.4GHz

Total L1 Cache: 1.5MB

Total L2 Cache: 8MB

Total L3 Cache: 32MB

Unlocked: Yes

CMOS: 12nm

Package: sTR4

PCI Express® Version: PCIe 3.0

Thermal Solution (PIB): Not included

Default TDP / TDP: 180W

Max Temps: 68°C

***OS Support**
Windows 10 - 64-Bit Edition
RHEL x86 64-Bit
Ubuntu x86 64-Bit
*Operating System (OS) support will vary by manufacturer.

System Memory

System Memory Specification:
Up to 2933MHz

System Memory Type: DDR4

Memory Channels: 4

Key Features

Supported Technologies
AMD SenseMI Technology
AMD Ryzen™ Master Utility

AMD "Zen" Core Architecture

Foundation

Product Family: AMD Ryzen™ Processors

Product Line: AMD Ryzen™ Threadripper™ Processors

Platform: Boxed Processor

OPN Tray: YD295XA8UGAAF

OPN PIB: YD295XA8AFWOF

Launch Date: 8/31/2018

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