



AMD Ryzen™ Threadripper™ 3970X Processor



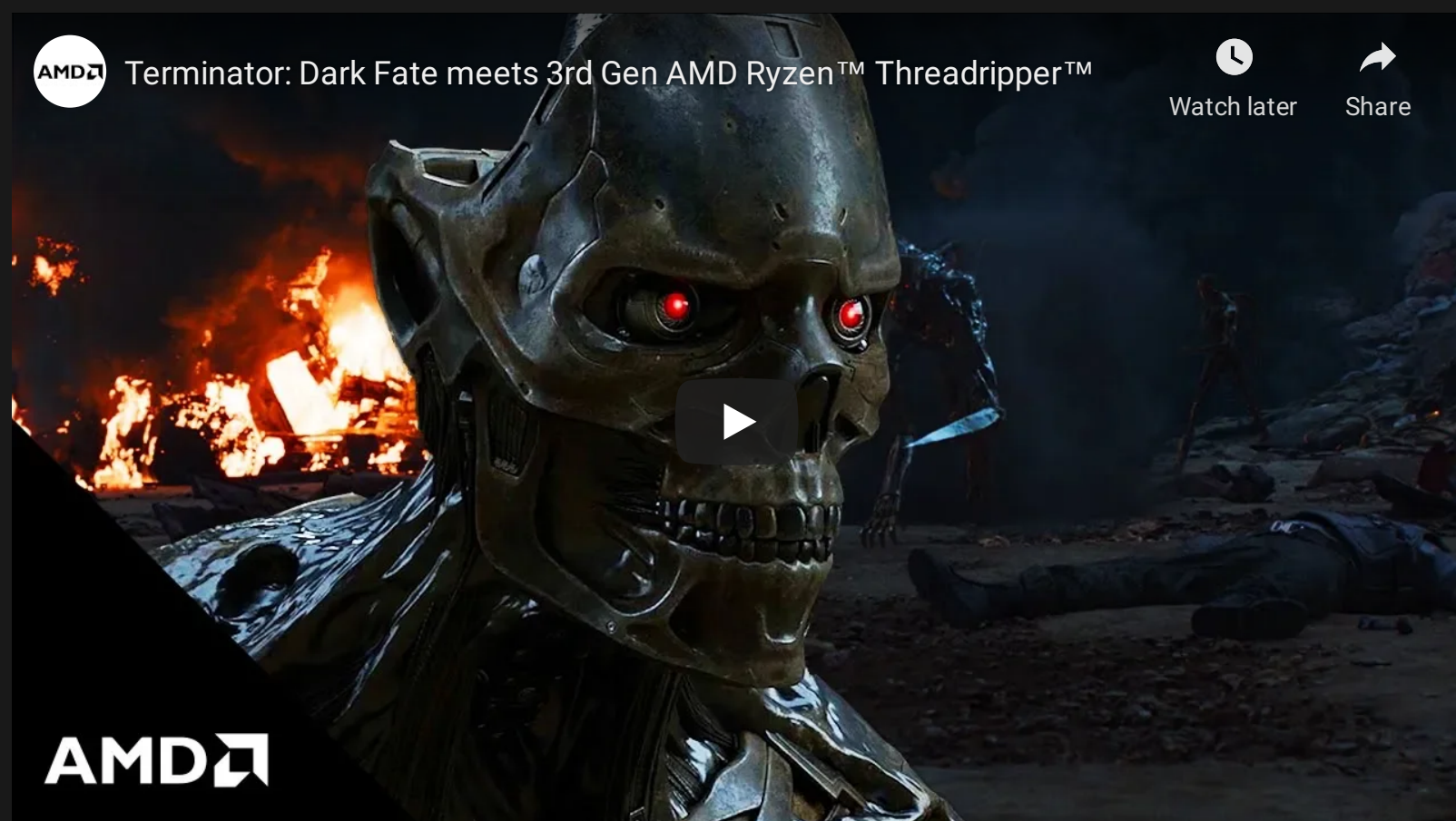
Render Time Irrelevant

Fully realize your creative vision with the most powerful desktop processor in the world.¹²

GET YOURS

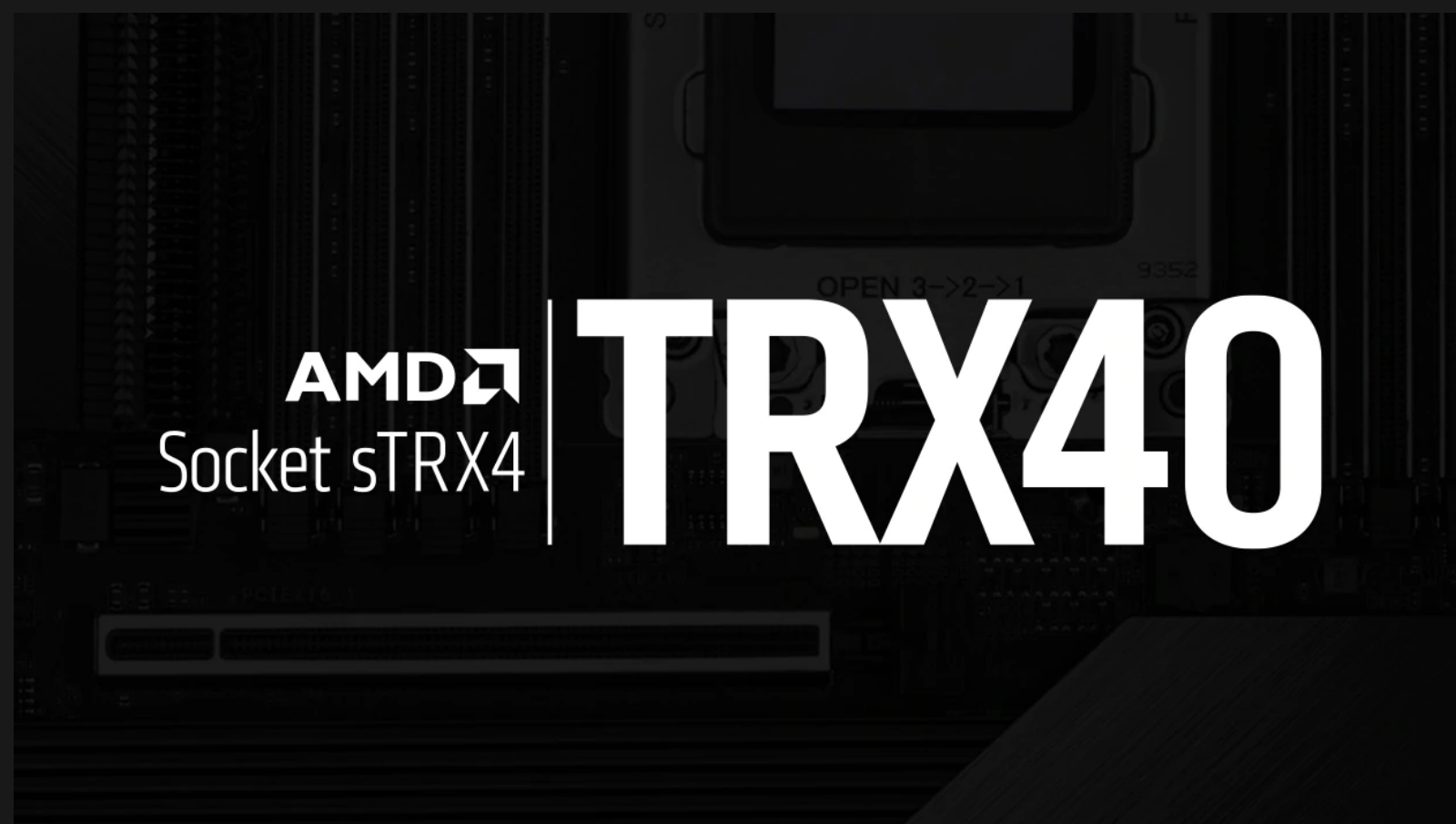


OVERVIEW TECHNOLOGIES SPECIFICATIONS DRIVERS & SUPPORT



Proven By Hollywood

3rd Gen AMD Ryzen™ Threadripper™ has already demonstrated its value to special effects artists for major motion picture studios.



New Motherboards. Exclusive Technologies.

The new AMD TRX40 motherboards feature the debut of advanced PCIe 4.0 connectivity on high-end desktop, delivering more bandwidth for creators than ever before.

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32 cores provide an astonishing 64 threads of simultaneous multi-processing power, while 144MB of combined cache and vast I/O from the enthusiast-grade AMD TRX40 platform work together to deliver incredible performance.

32 cores and 64 threads for lightning-fast creative workloads.

An unprecedented 88 total PCIe® 4.0 lanes to meet large GPU and NVMe needs.

Up to 144MB of combined cache for rapid access to large data sets.

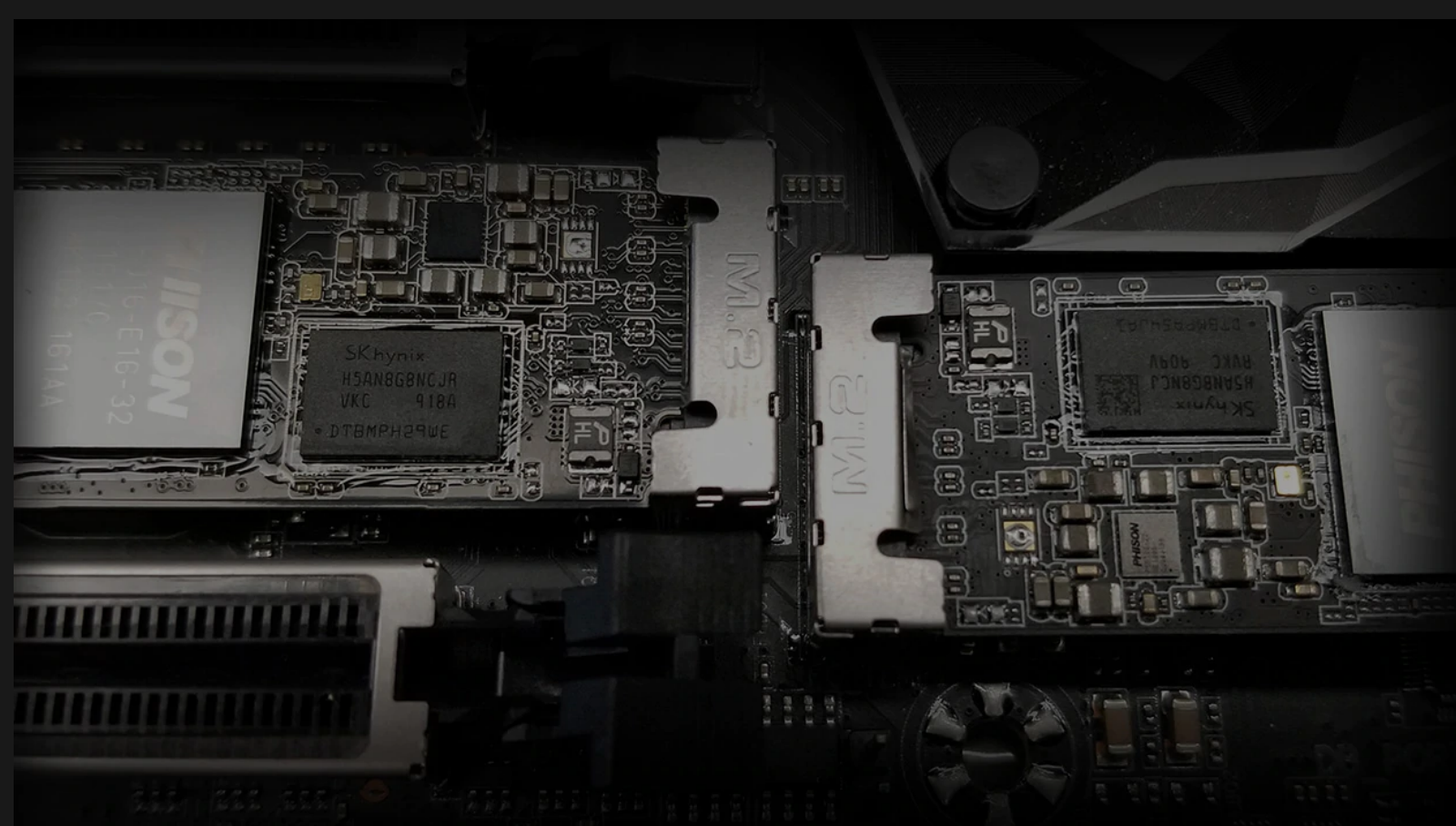
Quad channel DDR4 with available ECC support for reliable throughput.



Exceptional processors deserve exceptional cooling

Thermal solutions for Ryzen™ Threadripper™ processors from our partners.

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NVMe RAID Support

Combine up to six NVMe disks in for superlative speed or rock-solid redundancy with Ryzen™ Threadripper™ processors. Want even more? Get double the bandwidth with PCIe® 4.0, exclusively for high-end desktop on AMD TRX40 motherboards.

Technologies



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.³

LEARN MORE

AMD Ryzen™ Threadripper™ 3970X

Specifications	# of CPU Cores: 32	# of Threads: 64	Base Clock: 3.7GHz
	Max Boost Clock: Up to 4.5GHz	Total L1 Cache: 2MB	Total L2 Cache: 16MB
	Total L3 Cache: 128MB	Unlocked: Yes	CMOS: TSMC 7nm FinFET
	Package: sTRX4	PCI Express® Version: PCIe 4.0	Thermal Solution (PIB): Not included
	Default TDP / TDP: 280W	Max Temps: 95°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 3200MHz	System Memory Type: DDR4	Memory Channels: 4
Key Features	Supported Technologies AMD Zen Core Architecture	AMD Ryzen™ Master Utility	
Foundation	Product Family: AMD Ryzen™ Processors	Product Line: AMD Ryzen™ Threadripper™ Processors	Platform: Boxed Processor
	OPN Tray: 100-000000011	OPN PIB: 100-100000011WOF	Launch Date: 11/25/2019

FOOTNOTES