

General Specifications

Platform:	Boxed Processor
Product Family:	AMD Ryzen™ Processors
Product Line:	AMD Ryzen™ 9 Desktop Processors
Former Codename:	"Matisse"
# of CPU Cores:	12
# of Threads:	24
Max. Boost Clock:	Up to 4.6GHz
Base Clock:	3.8GHz
L1 Cache:	768KB
L2 Cache:	6MB
L3 Cache:	64MB
Default TDP:	105W
Processor Technology for CPU Cores:	TSMC 7nm FinFET
Unlocked for Overclocking:	Yes
CPU Socket:	AM4
Thermal Solution (PIB):	Wraith Prism with RGB LED
Thermal Solution (MPK):	Wraith PRISM

Launch Date:	7/7/2019
*OS Support:	Windows 10 - 64-Bit Edition RHEL x86 64-Bit Ubuntu x86 64-Bit *Operating System (OS) support will vary by manufacturer.

Connectivity

PCI Express® Version:	PCIe 4.0 x16
System Memory Type:	DDR4
Memory Channels:	2
System Memory Specification:	Up to 3200MHz

Graphics Capabilities

Integrated Graphics:	No
Graphics Model:	Discrete Graphics Card Required

Product IDs

Product ID Boxed:	100-100000023BOX
--------------------------	------------------