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AMD EPYC™ 9654

Realize exceptional time-to-results and energy efficiency for your business-critical applications with AMD EPYC™ 9004 Series processors for modern data centers.

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General Specifications

Name	AMD EPYC™ 9654
Family	EPYC
Series	EPYC 9004 Series
Form Factor	Servers
Regional Availability	Global , China , NA , EMEA , APJ , LATAM
# of CPU Cores	96
# of Threads	192
Max. Boost Clock ⓘ	Up to 3.7 GHz
All Core Boost Speed ⓘ	3.55 GHz
Base Clock	2.4 GHz
L3 Cache	384 MB
1kU Pricing	11805 USD
Default TDP	360W
AMD Configurable TDP (cTDP)	320-400W
CPU Socket	SP5
Socket Count	1P / 2P
Launch Date	11/10/2022

Connectivity

PCI Express® Version	PCIe® 5.0 x128
System Memory Type	DDR5
Memory Channels	12
System Memory Specification	Up to 4800 MT/s
Per Socket Mem BW	460.8 GB/s
Product IDs ^	
Product ID Tray	100-000000789
Security Virtualization and Manageability ^	
FIPS Certification	In Review
FIPS Certification Links	Module Certification , Algorithm Certification
Key Features ^	
Supported Technologies	AMD Infinity Guard , AMD Infinity Architecture
Workload Affinity	App dev test , Consumer-Oriented Digital Services , Content mgmt , ERM SCM CRM apps

Drivers and Resources

Developer Resources

Find AMD EPYC resources created by developers for developers.

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Documentation

Find the technical resources you need to build your infrastructure with AMD EPYC processors.

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Selector and Estimation Tools

Discover the right AMD EPYC processor to help optimize your data center transformation.

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