AMD EPYC™ 7742



Turn your data center into a competitive advantage with AMD – setting superior standards for performance, security and scalability for your most demanding workloads.



Accelerate Workload Performance

Data centers that require the best CPU performance, security features, and scalability count on AMD EPYC™ Processors.

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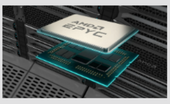

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Technologies



AMD Infinity Guard

Help minimize potential attack surfaces as software is booted, executed, and processes your critical data

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AMD Infinity Architecture

Experience unified intelligence.

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General Specifications

Platform: Server

Product Family: AMD EPYC™

Product Line: AMD EPYC™ 7002 Series

# of CPU Cores: 64

# of Threads: 128

Max. Boost Clock: Up to 3.4GHz

Base Clock: 2.25GHz

L3 Cache: 256MB

1kU Pricing: 6,950 USD

Default TDP: 225W

CPU Socket: SP3

Socket Count: 1P / 2P

Connectivity

PCI Express® Version: PCIe 4.0 x128

System Memory Type: DDR4

Memory Channels: 8

System Memory Specification: Up to 3200MT/s

Per Socket Mem BW: 204.8 GB/s

Product IDs

Product ID Boxed: 100-100000053WOF

Product ID Tray: 100-000000053

Key Features

Supported Technologies: AMD Infinity Guard, AMD Infinity Architecture

Workload Affinity:
Analytics
Cache-sensitive scale-up/out
CAE/CFD/FEA
ERM/SCM/CRM apps
High capacity data mgmt (NR/RDBMS)
VM Density

SEE FULL SPECIFICATIONS

▶ FOOTNOTES