AMD ENTERPRISE TECHNOLOGY ENABLES I.T. TRANSFORMATION IN THE AI ERA

Trusted to power 1/3 of the world's servers[1], AMD powers the daily lives of billions and is one of the only companies in the world that can power enterprise IT from data center to AI PC, across all major AI frameworks and based on open standards.

AMD POWERS THE COMPUTE INFRASTRUCTURE OF OUR MODERN WORLD

Cloud Enterprise & HPC

5G & Comms Infrastructure

Gaming, Simulation, & Visualization

AI

Adaptable Intelligent Systems

Smart Client Devices

AMD ENTERPRISE COMPUTING PORTFOLIO

Modern enterprise customers need the highest performance compute engines across the board. AMD delivers the broadest technology portfolio to those customers.

SERVER PROCESSORS

AMD EPYC

The AMD EPYC™ processor family delivers advanced security features, and leadership performance for Enterprise, HPC, and AI workloads. Leveraging the pervasive x86 architecture, AMD EPYC processors offer flexibility and ease of adoption for enterprises—from edge servers to data centers and the public cloud.

AI & HPC ACCELERATORS

AMD INSTINCT

AMD Instinct™ accelerators offer incredible performance for generative AI training and inference, powering demanding AI and HPC workloads with exceptional compute performance, large memory density, high-bandwidth memory, and support for specialized data formats.

ENTERPRISE PCs

AMD RYZEN PRO

AMD Ryzen™ PRO processors and Windows 11 Pro for business provide enterprise customers with advanced security features, performance, and IT management. As a leadership CPU for enterprise AI PCs, AMD Ryzen PRO processors help enable the workforce for AI with a wide variety of laptop, desktop, and workstation solutions from OEMs.

NETWORKING & DPUs

AMD ALVEO

AMD PENSANDO

AMD Alveo™ SmartNICs and AMD Pensando™ DPUs optimize data center networking, offloading tasks like virtualization, security, and storage while simplifying management and deployment with a unified software infrastructure.

FPGAs & ADAPTIVE SOCs

AMD VERSAL

AMD ALVEO

AMD offers a comprehensive portfolio of programmable multi-node processors for a wide set of applications from high-performance networking to software-defined technologies. At the top of that stack is the AMD Versal™ Adaptive SoC, offering heterogeneous acceleration for a broad set of applications from the cloud to the edge.

AMD ENTERPRISE PORTFOLIO GUIDE

AMD DELIVERS AI SOLUTIONS ACROSS SERVERS, AI GPUs, AND AI PCs

Deploy with confidence of open standards and leadership security features

AMD EPYC for General Computing

- Mixed Workload Inference
- Small to Medium Models
- Batch/Small Scale Inference

AMD INSTINCT for Generative AI Acceleration

- Dedicated AI Deployments & Training
- Medium to Large Models
- Large-Scale Inference

AMD RYZEN AI for Enterprise AI PCs

- First Copilot+ PCs Designed for Business
- 50+ NPU TOPS[2]
- AMD PRO Security

AMD VERSAL AMD ZYNQ for Embedded AI Solutions

- High Performance, Low Latency Inference
- Hardware Adaptable for Custom AI, Vision, and Sensor Strategies

AMD ALVEO for AI Inference Efficiency

- Video Analytics and Natural Language Processing Applications
- Helps Reduce Cost Per AI Channel
- Entire Pipeline Execution on Accelerator

ZT Systems for Scalable AI Deployment

- Cluster Level Systems Design
- Scalable Solutions from Rack to Data Center
- Optimized for large model training and low-latency inference at scale

A COMPLETE SOFTWARE SOLUTIONS ECOSYSTEM

Deep engagement with AI leaders like Hugging Face, Pytorch, Microsoft and a broad set of AI ecosystem and AI-powered ISVs offering a wide range of open-source and next-gen AI experiences.

Hugging Face · PyTorch · Microsoft

With AMD as your enterprise IT and AI infrastructure partner, you'll get:

- World Class Performance
- Energy Efficient
- Ease of Adoption
- Security Features
- Open Ecosystem for AI

1. Source: Mercury Research Sell-in Revenue Shipment Estimates 2024-Q3 Update
2. Trillions of Operations per Second (TOPS) for an AMD Ryzen processor is the maximum number of operations per second that can be executed in an optimal scenario and may not be typical. TOPS may vary based on several factors, including the specific system configuration, AI model, and software version. GD-243.

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