



# AMD Financial Results

**Second Quarter 2025**  
August 5, 2025

# Cautionary Statement

This presentation contains forward looking statements concerning Advanced Micro Devices, Inc. (AMD), such as the features, functionality, performance, availability, timing and expected benefits of future AMD products; AMD's large growth opportunities across diverse set of markets; AMD's data center AI accelerator opportunity; AMD's anticipated sale of ZT Systems' data center infrastructure manufacturing business and expected benefits and timing of the transaction; AMD's expected third quarter 2025 financial outlook, including revenue, non GAAP gross margin, non GAAP operating expenses, non GAAP Interest Expense/Other Income (Expense), net, non GAAP tax rate and diluted share count; AMD's large and compelling TAM; AMD's ability to expand Data Center and AI leadership; AMD's financial and operating performance; the impact of export licensing requirements on AMD; and AMD's ability to drive long term shareholder returns, which are made pursuant to the Safe Harbor provisions of the Private Securities Litigation Reform Act of 1995. Forward looking statements are commonly identified by words such as would, may, expects, believes, plans, intends, projects and other terms with similar meaning. Investors are cautioned that the forward looking statements in this presentation are based on current beliefs, assumptions and expectations, speak only as of the date of this presentation and involve risks and uncertainties that could cause actual results to differ materially from current expectations. Such statements are subject to certain known and unknown risks and uncertainties, many of which are difficult to predict and generally beyond AMD's control, that could cause actual results and other future events to differ materially from those expressed in, or implied or projected by, the forward looking information and statements. Material factors that could cause actual results to differ materially from current expectations include, without limitation, the following: impact of government actions and regulations such as export regulations, tariffs and trade protection measures, and licensing requirements; competitive markets in which AMD's products are sold; the cyclical nature of the semiconductor industry; market conditions of the industries in which AMD products are sold; AMD's ability to introduce products on a timely basis with expected features and performance levels; loss of a significant customer; economic and market uncertainty; quarterly and seasonal sales patterns; AMD's ability to adequately protect its technology or other intellectual property; unfavorable currency exchange rate fluctuations; ability of third party manufacturers to manufacture AMD's products on a timely basis in sufficient quantities and using competitive technologies; availability of essential equipment, materials, substrates or manufacturing processes; ability to achieve expected manufacturing yields for AMD's products; AMD's ability to generate revenue from its semi custom SoC products; potential security vulnerabilities; potential security incidents including IT outages, data loss, data breaches and cyberattacks; uncertainties involving the ordering and shipment of AMD's products; AMD's reliance on third party intellectual property to design and introduce new products; AMD's reliance on third party companies for design, manufacture and supply of motherboards, software, memory and other computer platform components; AMD's reliance on Microsoft and other software vendors' support to design and develop software to run on AMD's products; AMD's reliance on third party distributors and add in board partners; impact of modification or interruption of AMD's internal business processes and information systems; compatibility of AMD's products with some or all industry standard software and hardware; costs related to defective products; efficiency of AMD's supply chain; AMD's ability to rely on third party supply chain logistics functions; AMD's ability to effectively control sales of its products on the gray market; impact of climate change on AMD's business; AMD's ability to realize its deferred tax assets; potential tax liabilities; current and future claims and litigation; impact of environmental laws, conflict minerals related provisions and other laws or regulations; evolving expectations from governments, investors, customers and other stakeholders regarding corporate responsibility matters; issues related to the responsible use of AI; restrictions imposed by agreements governing AMD's notes, the guarantees of Xilinx's notes, the revolving credit agreement and the ZT Systems credit agreement; impact of acquisitions, joint ventures and/or strategic investments on AMD's business and AMD's ability to integrate acquired businesses, including ZT Systems; AMD's ability to complete the sale of ZT Systems' manufacturing business; impact of any impairment of the combined company's assets; political, legal and economic risks and natural disasters; future impairments of technology license purchases; AMD's ability to attract and retain qualified personnel; and AMD's stock price volatility. Investors are urged to review in detail the risks and uncertainties in AMD's Securities and Exchange Commission filings, including but not limited to AMD's most recent reports on Forms 10 K and 10 Q.

This presentation also contains estimates and other statistical data made by independent parties and by us relating to market size and other data about our industry. This data involves a number of assumptions and limitations, and you are cautioned not to give undue weight to such estimates.

## NON GAAP Financial Measures

In this presentation, in addition to GAAP financial results, AMD has provided non GAAP financial measures including non GAAP gross profit, non GAAP gross margin, non GAAP operating expenses, non GAAP operating expenses/revenue percent, non GAAP operating income, non GAAP operating margin, non GAAP net income and non GAAP diluted earnings per share. AMD uses a normalized tax rate in its computation of the non GAAP income tax provision to provide better consistency across the reporting periods. For fiscal 2025, AMD uses a projected non GAAP tax rate of 13%, which excludes the tax impact of pre tax non GAAP adjustments. Additionally, AMD has provided an adjusted non GAAP gross profit and gross margin which excludes the inventory and related charges associated with U.S. export restrictions. AMD also provides adjusted free cash flow as supplemental non GAAP measures of its performance. AMD is providing these financial measures because it believes this non GAAP presentation makes it easier for investors to compare its operating results for current and historical periods and also because AMD believes it assists investors in comparing AMD's performance across reporting periods on a consistent basis by excluding items that it does not believe are indicative of its core operating performance. The non GAAP financial measures disclosed in this presentation should be viewed in addition to and not as a substitute for or superior to AMD's reported results prepared in accordance with GAAP and should be read only in conjunction with AMD's Consolidated Financial Statements prepared in accordance with GAAP. These non GAAP financial measures referenced are reconciled to their most directly comparable GAAP financial measures in the Appendices at the end of this presentation. This presentation also contains forward looking non GAAP measures concerning AMD's financial outlook such as gross margin, operating expenses, interest expense/other income (expense), net, tax rate and share count. These forward looking non GAAP measures are based on current expectations as of August 5, 2025, and assumptions and beliefs that involve numerous risks and uncertainties. AMD undertakes no intent or obligation to publicly update or revise its forward looking statements made in this presentation except as may be required by law.

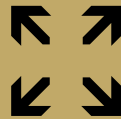
# AMD

## Our Journey



**Leadership Product Portfolio**

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**Expanding Customer & Partner Ecosystem**

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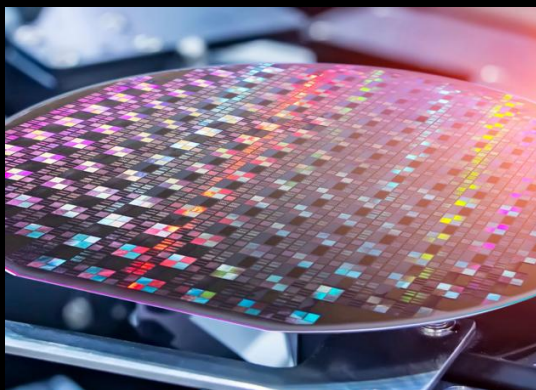
**Data Center and AI Growth**

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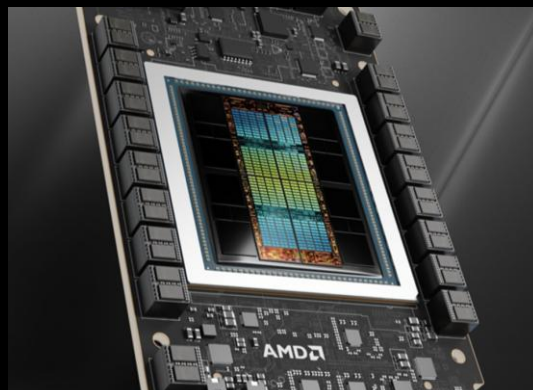
**Strong Financial Foundation**

# High Performance & Adaptive Computing Leadership



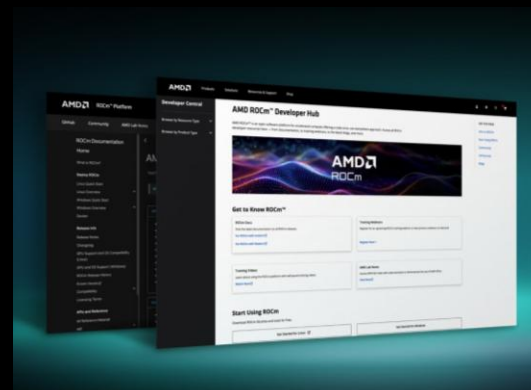
## Leadership Foundational IP

Accelerating innovation in silicon architecture, advanced packaging and software



## Breadth and Depth of Portfolio

Scaling compute engines from cloud to edge to endpoints with leadership performance per watt



## Open, Proven Software Ecosystem

Delivering a robust software stack and flexibility, transparency and choice to developers



## Deep, Collaborative Partnerships

Computing partner of choice across AI, data center, embedded, PCs and gaming

# Large Growth Opportunities

Across a Diverse Set of Markets



## Data Center

Leadership performance and TCO across cloud, enterprise and AI workloads



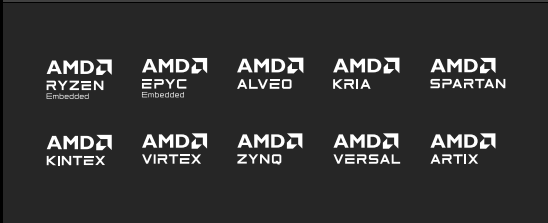
## Client and Gaming

Performance, efficiency and AI capabilities for commercial and consumer PC and gaming experiences



## Embedded

Industry's broadest portfolio of adaptive and embedded computing platforms



# Completion of Acquisition of ZT Systems

on March 31, 2025

**BRINGING TOGETHER WORLD-CLASS SILICON, SOFTWARE AND SYSTEMS DESIGN  
TO DELIVER RACK-SCALE AI SOLUTIONS**

## **Enabling new class of end-to-end AMD AI solutions**

Based on AMD CPU, GPU  
and networking silicon,  
open source AMD  
ROCm™ software and  
rack scale systems  
capabilities

## **Addressing high-growth data center AI accelerator market**

Full rack scale AI solutions  
and system level  
capabilities are key factors  
in scaling AMD Instinct™  
AI GPU business

## **Leadership systems design expertise**

ZT Systems design teams  
join the AMD Data Center  
Solutions business unit

## **Manufacturing divestiture progress**

Entered into a definitive  
agreement to sell ZT  
Systems to Sanmina,  
expected to close near the  
end of 2025

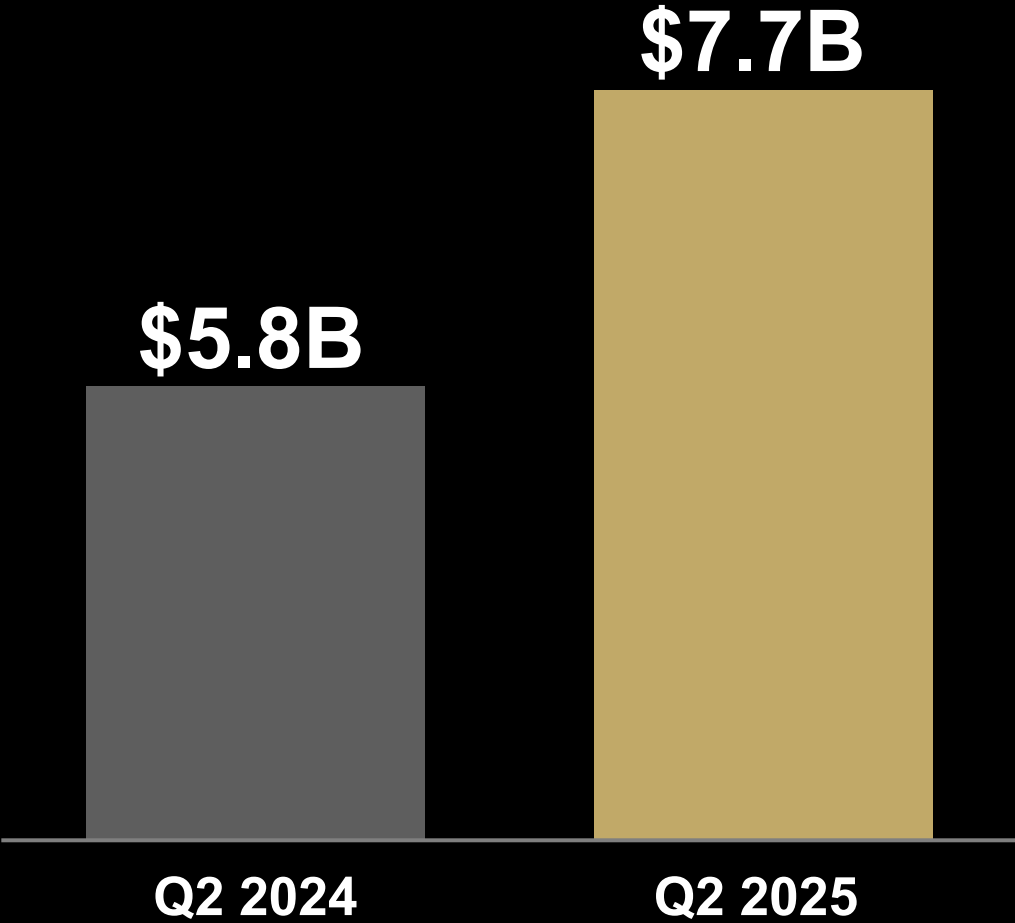
# Revenue Q2 2025



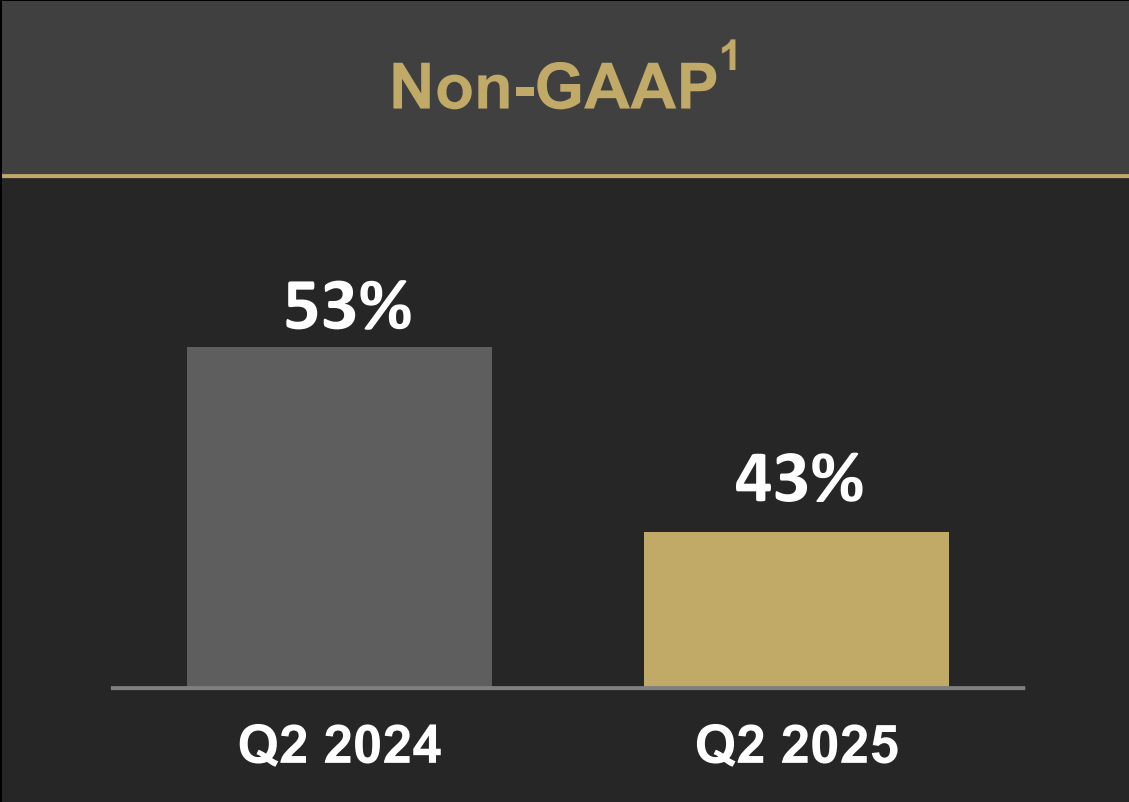
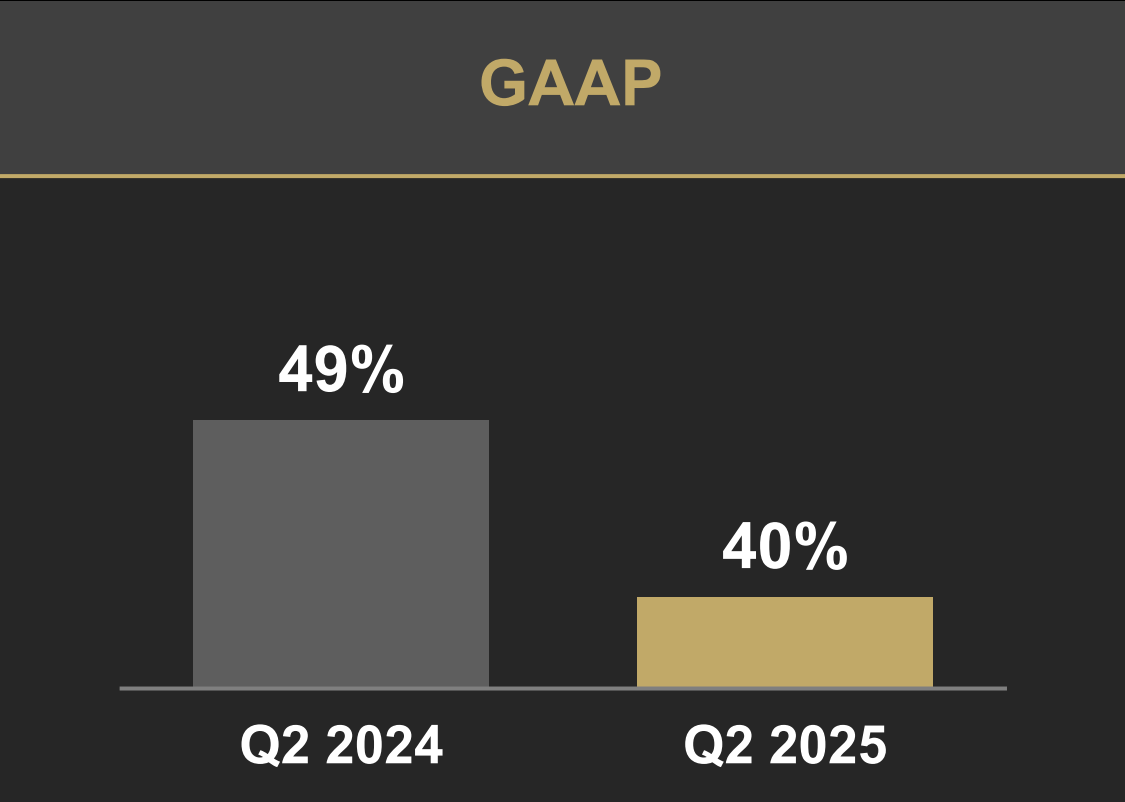
Record second quarter revenue of \$7.7 billion increased 32% y/y



Revenue growth driven by record sales of Ryzen™ and EPYC™ processors, and higher semi-custom shipments



# Gross Margin Q2 2025

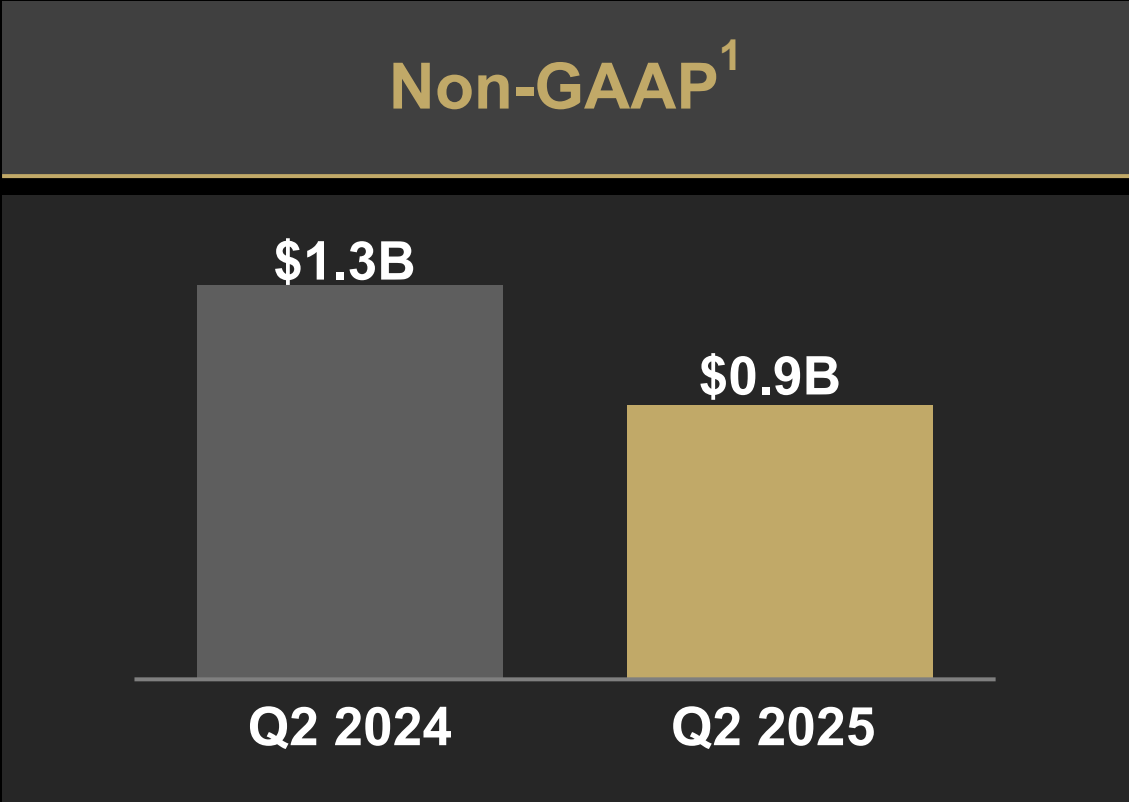
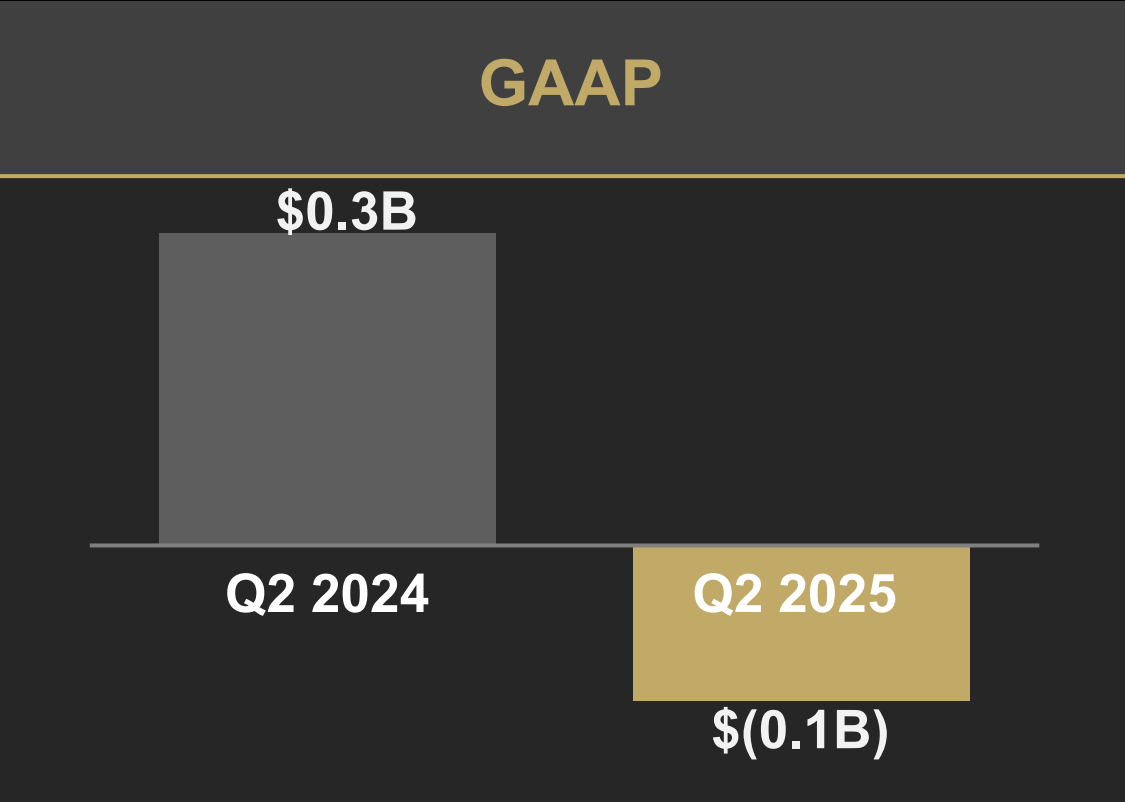


Decrease due to the \$800 million inventory and related charges associated with US export control restrictions on Instinct MI308 products; Excluding this charge, non-GAAP gross margin<sup>1</sup> would have been ~54%

1. See Appendices for GAAP to Non-GAAP reconciliation



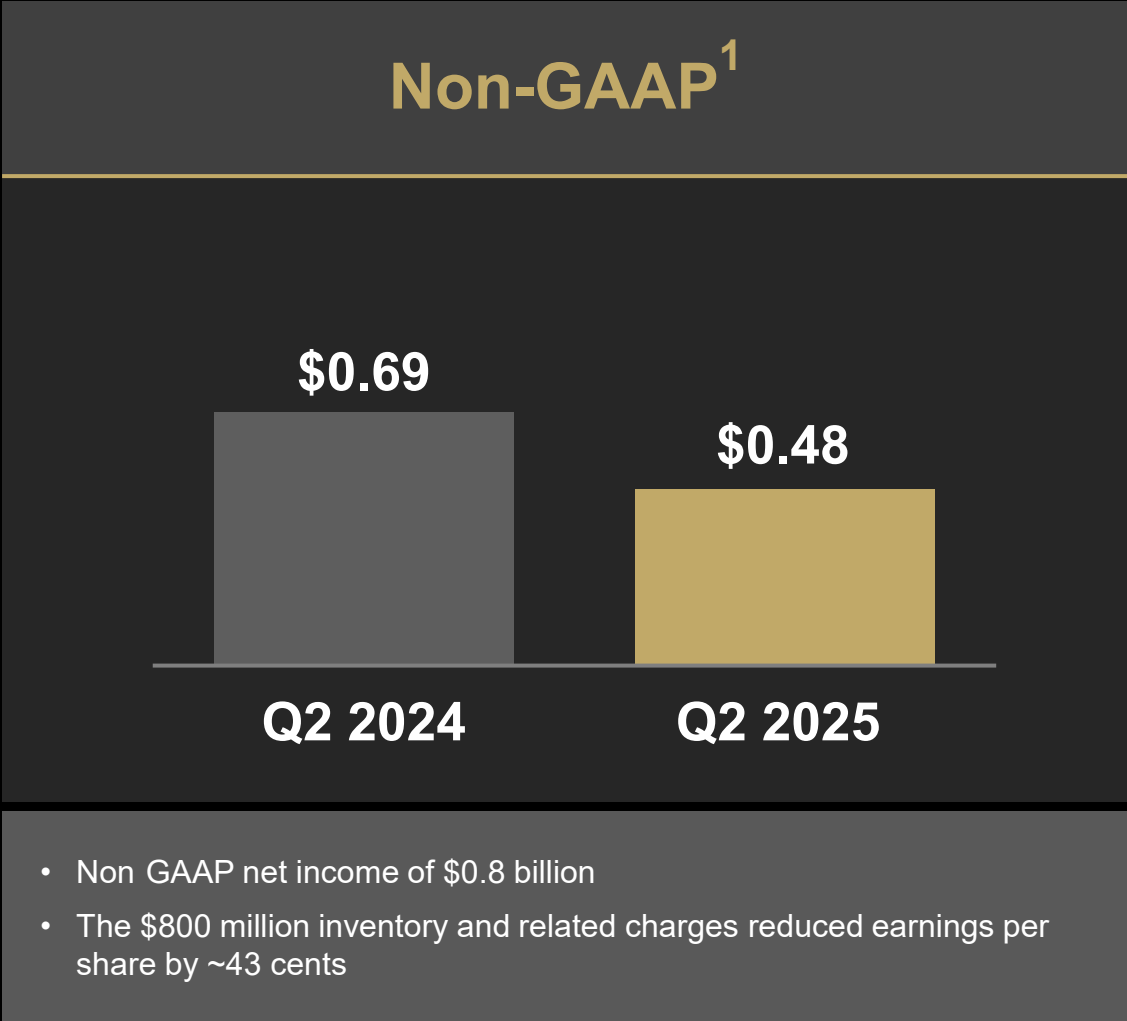
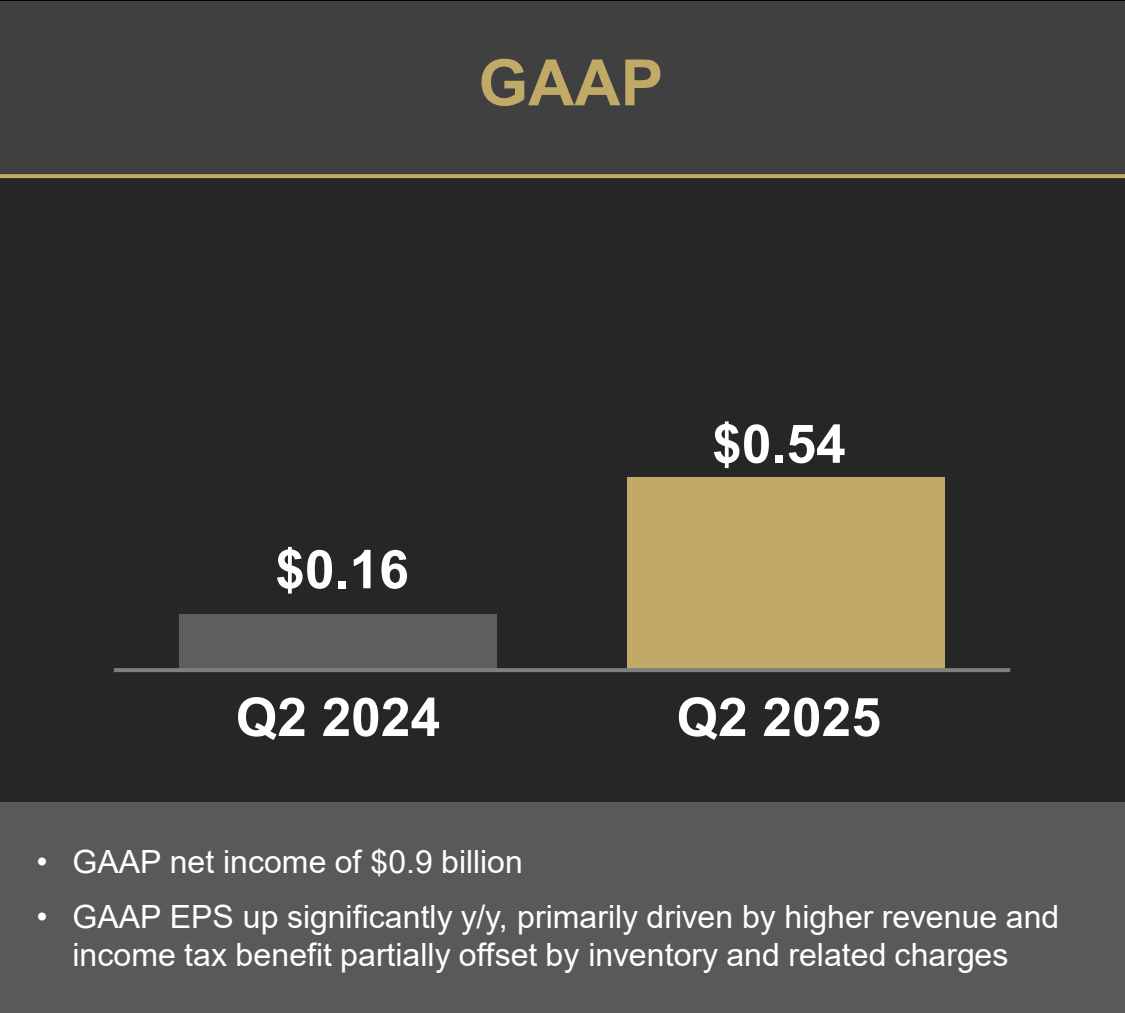
# Operating Income Q2 2025



Decline due to the inventory and related charges associated with US export control restrictions

1. See Appendices for GAAP to Non-GAAP reconciliation

# Diluted Earnings Per Share Q2 2025



1. See Appendices for GAAP to Non-GAAP reconciliation

# Q2 2025 Summary P&L | GAAP

\$ in millions, except per share data and %	Q2'25	Q2'24	Y/Y	Q1'25	Q/Q
<b>Revenue</b>	<b>\$7,685</b>	<b>\$5,835</b>	<b>Up 32%</b>	<b>\$7,438</b>	<b>Up 3%</b>
<b>Gross Profit</b>	<b>\$3,059</b>	<b>\$2,864</b>	<b>Up 7%</b>	<b>\$3,736</b>	<b>Down 18%</b>
Gross Margin	40%	49%	Down 9 pts	50%	Down 10 pts
<b>Operating Expenses</b>	<b>\$3,193</b>	<b>\$2,595</b>	<b>Up 23%</b>	<b>\$2,930</b>	<b>Up 9%</b>
Operating Expense/Revenue %	42%	44%	Down 2 pts	39%	Up 3 pts
<b>Operating Income (Loss)</b>	<b>\$(134)</b>	<b>\$269</b>	<b>Down 150%</b>	<b>\$806</b>	<b>Down 117%</b>
Operating Margin	(2)%	5%	Down 7 pts	11%	Down 13 pts
<b>Net Income</b>	<b>\$872</b>	<b>\$265</b>	<b>Up 229%</b>	<b>\$709</b>	<b>Up 23%</b>
<b>Diluted Earnings Per Share</b>	<b>\$0.54</b>	<b>\$0.16</b>	<b>Up 238%</b>	<b>\$0.44</b>	<b>Up 23%</b>

# Q2 2025 Summary P&L | NON-GAAP<sup>1</sup>

\$ in millions, except per share data and %	Q2'25	Q2'24	Y/Y	Q1'25	Q/Q
<b>Revenue</b>	<b>\$7,685</b>	\$5,835	Up 32%	\$7,438	Up 3%
<b>Gross Profit</b>	<b>\$3,326</b>	\$3,101	Up 7%	\$3,992	Down 17%
Gross Margin	43%	53%	Down 10 pts	54%	Down 11 pts
<b>Operating Expenses</b>	<b>\$2,429</b>	\$1,837	Up 32%	\$2,213	Up 10%
Operating Expense/Revenue %	32%	31%	Up 1 pts	30%	Up 2 pts
<b>Operating Income</b>	<b>\$897</b>	\$1,264	Down 29%	\$1,779	Down 50%
Operating Margin	12%	22%	Down 10 pts	24%	Down 12 pts
<b>Net Income</b>	<b>\$781</b>	\$1,126	Down 31%	\$1,566	Down 50%
<b>Diluted Earnings Per Share</b>	<b>\$0.48</b>	\$0.69	Down 30%	\$0.96	Down 50%

1. See Appendices for GAAP to Non-GAAP reconciliation

# Q2 2025 Segment Results

\$ in millions	Q2'25	Q2'24	Y/Y	Q1'25	Q/Q
<b>Data Center</b>					
Net Revenue	\$3,240	\$2,834	Up 14%	\$3,674	Down 12%
Operating Income (Loss)	\$(155)	\$743	Down 121%	\$932	Down 117%
<b>Client &amp; Gaming</b>					
Net Revenue	\$3,621	\$2,140	Up 69%	\$2,941	Up 23%
Operating Income	\$767	\$166	Up 362%	\$496	Up 55%
<b>Embedded</b>					
Net Revenue	\$824	\$861	Down 4%	\$823	Flat
Operating Income	\$275	\$345	Down 20%	\$328	Down 16%

# Q2 2025 Summary Balance Sheet Items

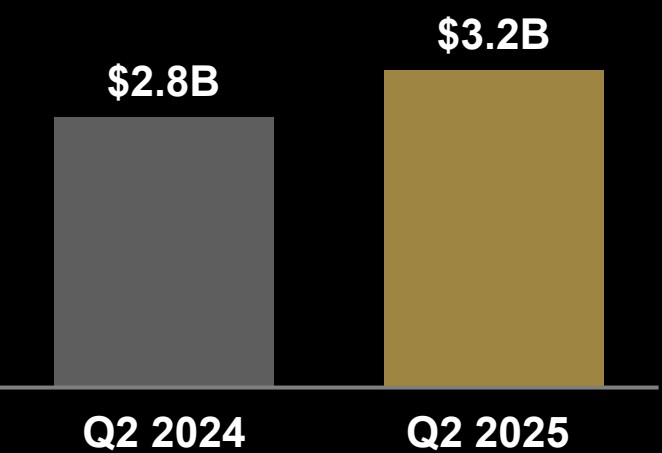
\$ in millions	Q2'25	Q1'25	Q/Q
Cash, Cash Equivalents and Short-term Investments <sup>1</sup>	\$5,867	\$7,310	Down 20%
Accounts Receivable, Net	\$5,115	\$5,443	Down 6%
Inventories	\$6,677	\$6,416	Up 4%
Total Debt	\$3,218	\$4,164	Down 23%

Cash from operating activities of continuing operations \$1.5 billion; record free cash flow \$1.2 billion<sup>1</sup>  
 Repurchased \$478 million of common stock; lowered total debt to \$3.2 billion with the repayment of \$950 million commercial paper used to finance the ZT Systems acquisition close

1. See Appendices for GAAP to Non-GAAP reconciliation

# Data Center Segment Q2 2025

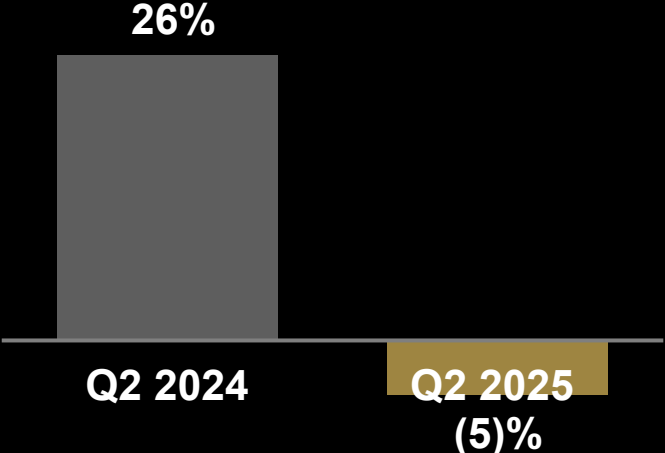
## Revenue



Revenue  
**\$3.2 Billion**  
Up 14% y/y

Driven primarily by growth in AMD EPYC™ CPU revenue and share gains across cloud and enterprise customers

## Operating Margin



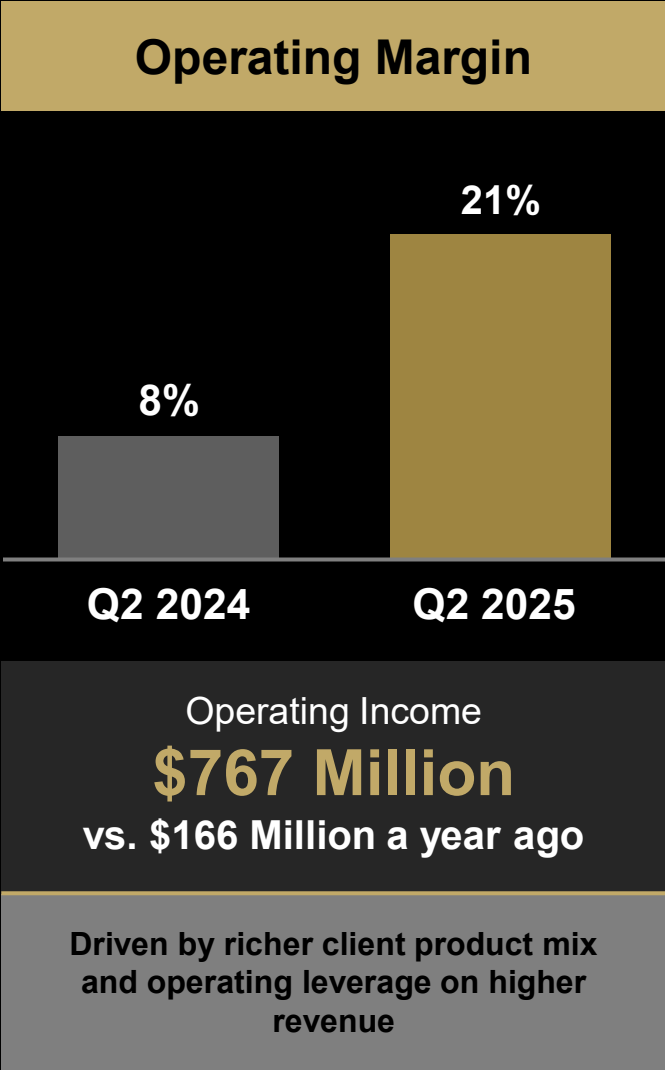
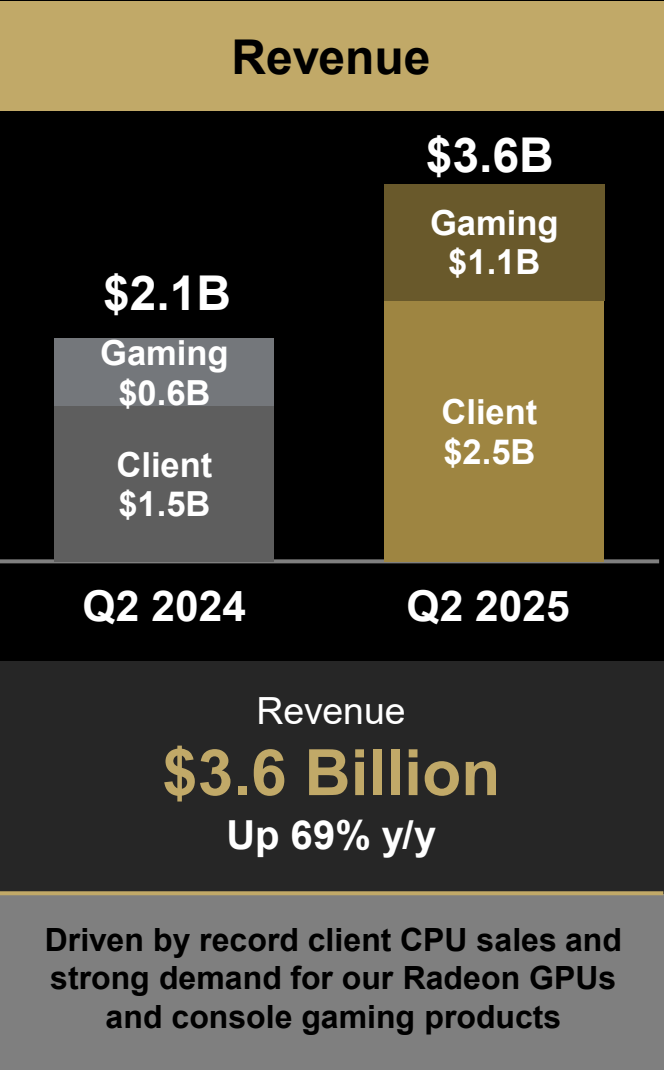
Operating Income (Loss)  
**\$(155) Million**  
vs. \$743 Million a year ago

Decline primarily due to the inventory and related charges associated with US export restrictions

## Strategic Highlights

- Launched AMD Instinct™ MI350 series with industry leading memory bandwidth and capacity and broad adoption across hyperscalers, AI companies and server providers
- Announced AMD ROCm™ 7 software with major upgrades across every layer of the stack delivering more than 3x higher inferencing and training performance compared to our prior generation
- HUMAIN and AMD announced plans to advance global AI infrastructure by deploying 500 MW of AI compute capacity over the next five years
- AMD now powers 172 supercomputers on the latest Top500 Supercomputers list, including the top two El Capitan and Frontier and 12 of the top 20 systems on the Green500 list
- Oracle is building a 27,000+ node AI cluster combining MI355X accelerators, 5th Gen EPYC Turin CPUs, and AMD Pensando™ Pollara 400 SmartNICs

# Client and Gaming Segment Q2 2025



Strategic Highlights

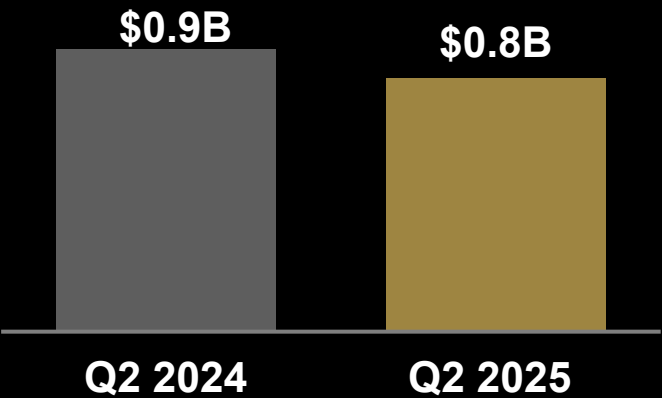
AMD RYZEN    AMD RYZEN PRO    AMD THREADRIPPER PRO

- Announced AMD Ryzen™ Threadripper™ 9000WX and Threadripper PRO 9000X Series processors with leadership compute for workstations
- Launched AMD Radeon™ RX 9060 XT with leadership gaming performance per dollar
- Announced the AMD Radeon™ AI PRO R9700 GPU, designed for local AI inference, model finetuning and complex creative workloads
- First Copilot+ mobile workstations, Lenovo ThinkPad P14s and P16s and HP ZBook 8 powered by Ryzen PRO processors, went into production
- Announced a new multi year collaboration with Microsoft for custom chips that will power the next generation of Xbox devices including consoles, PCs, and handhelds



# Embedded Segment Q2 2025

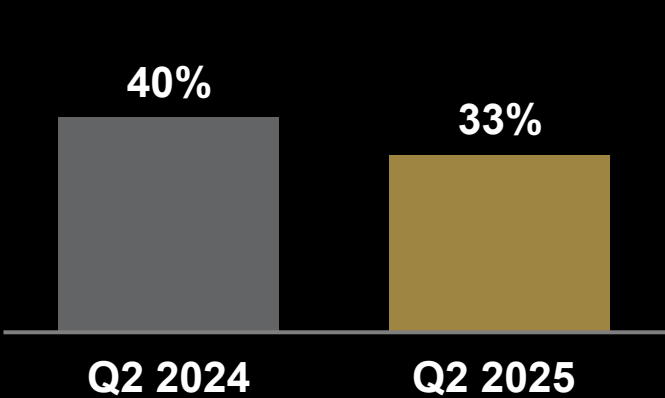
## Revenue



Revenue  
**\$824 Million**  
Down 4% y/y

Demand in end markets remained mixed




## Operating Margin






Operating Income  
**\$275 Million**  
vs. \$345 Million a year ago

Decline primarily due to product mix

## Strategic Highlights





- Began shipping first AMD Spartan™ UltraScale+™ FPGA devices, delivering performance, low power, security features and reliability for cost sensitive edge applications
- Bosch and AMD are collaborating on next generation robotaxi services in Europe, including a pilot program using the AMD Versal™ device to support security and real time encryption

# Financial Outlook – NON-GAAP<sup>1</sup>

	Q3'25
Revenue	~\$8.7 Billion, +/- \$300 Million
Gross Margin	~54%
Operating Expenses	~\$2.55 Billion
Interest Expense/Other Income (Expense), net	~\$10 Million
Effective Tax Rate	~13% of pre-tax income
Diluted Share Count <sup>2</sup>	~1.63 Billion shares

Note: Our current outlook does not include any revenue from AMD Instinct MI308 shipments to China as our license applications are currently under review by the U.S. Government

1. See Cautionary Statement on Slide 2. These forward-looking outlook statements and non-GAAP measures are based on current expectations as of August 5, 2025, and assumptions and beliefs that involve numerous risks and uncertainties. AMD undertakes no intent or obligation to publicly update or revise its outlook statements as a result of new information, future events or otherwise, except as may be required by law. All items, except revenue, are on a non-GAAP basis. Adjustments to arrive at the GAAP financial outlook typically include stock-based compensation, amortization of acquired intangible assets, income tax provision, and other non-recurring items such as impairment charges and acquisition-related costs. A reconciliation to equivalent GAAP measures is not practicable at this time as the timing and impact of such adjustments are dependent on future events that are typically uncertain or outside of AMD's control. Such events may include unanticipated changes in AMD's GAAP effective tax rate, unanticipated one-time charges related to asset impairments, unanticipated acquisition-related expenses, unanticipated gains, losses, and impairments, and other unanticipated non-recurring items not reflective of ongoing operations.

2. Refer to Diluted Share Count overview in the Appendices.

# Q2 2025 Summary<sup>1</sup>

Record revenue  
\$7.7B  
Up 32% y/y

Data Center  
Segment Revenue  
\$3.2B, Up 14% y/y  
  
Client and Gaming  
Segment Revenue  
\$3.6B, Up 69% y/y

Gross Margin 40%  
Non-GAAP  
Gross Margin 43%

Diluted EPS \$0.54  
Non-GAAP  
Diluted EPS \$0.48

**Significant Y/Y revenue growth driven by record sales of Ryzen™ and EPYC™ processors, and higher semi-custom revenue**

1. See Appendices for GAAP to Non-GAAP reconciliation

# Corporate Responsibility at AMD

Environmental	Social	Governance
Advancing environmental solutions in our products, supply chain and operations, while accelerating energy efficiency for IT users	Fostering a culture of diversity, belonging and inclusion, partnering with suppliers and positively impacting our communities	Integrating corporate responsibility and governance across product design, supply chain, operations and external engagement



# AMD

## Our Momentum

Large and  
Compelling TAM

Technology  
Leadership

Expanding Data  
Center and AI  
Leadership

World-Class  
Execution and  
Focus

Strong Balance  
Sheet

**DRIVING LONG-TERM SHAREHOLDER RETURNS**

# Appendices

## Reconciliation of GAAP to Non-GAAP Gross Profit and Gross Margin

\$ in millions, except % (Unaudited)	Q2'25	Q2'24	Q1'25
<b>GAAP gross profit</b>	\$ 3,059	\$ 2,864	\$ 3,736
<i>GAAP gross margin</i>	40%	49%	50%
Stock based compensation	6	5	5
Amortization of acquisition related intangibles	260	231	251
Acquisition related and other costs <sup>(1)</sup>	1	1	
<b>Non GAAP gross profit</b>	\$ 3,326	\$ 3,101	\$ 3,992
<i>Non GAAP gross margin</i>	43%	53%	54%

## Reconciliation of GAAP to Non-GAAP Operating Expenses

\$ in millions, except % (Unaudited)	Q2'25	Q2'24	Q1'25
<b>GAAP operating expenses <sup>(2)</sup></b>	\$ 3,193	\$ 2,595	\$ 2,930
<i>GAAP operating expenses/revenue %</i>	42%	44%	39%
Stock based compensation	363	341	359
Amortization of acquisition related intangibles	308	372	316
Acquisition related and other costs <sup>(1)</sup>	93	45	42
<b>Non GAAP operating expenses <sup>(2)</sup></b>	\$ 2,429	\$ 1,837	\$ 2,213
<i>Non GAAP operating expenses/revenue %</i>	32%	31%	30%

(1) Acquisition-related and other costs primarily include transaction costs, purchase price fair value adjustments for inventory, certain compensation charges, and workforce rebalancing charges.

(2) Effective first quarter of 2025, licensing gain is reclassified against Marketing, general and administrative expenses as the amounts were immaterial.

# Appendices

## Reconciliation of GAAP Operating Income (Loss) to Non-GAAP Operating Income

\$ in millions, except % (Unaudited)	Q2'25	Q2'24	Q1'25
<b>GAAP operating income (loss)</b>	\$ (134)	\$ 269	\$ 806
<i>GAAP operating margin</i>	(2)%	5%	11%
Stock based compensation	369	346	364
Amortization of acquisition related intangibles	568	603	567
Acquisition related and other costs <sup>(1)</sup>	94	46	42
<b>Non GAAP operating income</b>	\$ 897	\$ 1,264	\$ 1,779
<i>Non GAAP operating margin</i>	12%	22%	24%

(1) Acquisition-related and other costs primarily include transaction costs, purchase price fair value adjustments for inventory, certain compensation charges, and workforce rebalancing charges.

# Appendices

## Reconciliation of GAAP to Non-GAAP Net Income / Diluted Earnings Per Share

\$ in Millions, except per share data (Unaudited)	Q2'25		Q2'24		Q1'25	
<b>GAAP net income / earnings per share</b>	\$ 872	\$ 0.54	\$ 265	\$ 0.16	\$ 709	\$ 0.44
(Gains) losses on equity investments, net	(61)	(0.04)			2	
Stock based compensation	369	0.23	346	0.21	364	0.22
Equity income in investee	(8)		(7)		(7)	
Amortization of acquisition related intangibles	568	0.35	603	0.37	567	0.35
Acquisition related and other costs <sup>(1)</sup>	96	0.05	46	0.03	42	0.03
Release of reserves for uncertain tax positions <sup>(2)</sup>	(853)	(0.52)				
Income tax provision	(98)	(0.06)	(127)	(0.08)	(111)	(0.08)
Income from discontinued operations, net of tax <sup>(3)</sup>	(104)	(0.07)				
<b>Non GAAP net income / earnings per share</b>	<b>\$ 781</b>	<b>\$ 0.48</b>	<b>\$ 1,126</b>	<b>\$ 0.69</b>	<b>\$ 1,566</b>	<b>\$ 0.96</b>

(1) Acquisition-related and other costs primarily include transaction costs, purchase price fair value adjustments for inventory, certain compensation charges, and workforce rebalancing charges.

(2) Release of reserves for uncertain tax positions pertains to the reasonable cause relief related to dual consolidated losses approved by IRS in Q2'25.

(3) Income from discontinued operations is related to ZT Systems' manufacturing business which is classified as held-for-sale.



# Appendices

## Reconciliation of GAAP Net Cash Provided by Operating Activities of Continuing Operations to Free Cash Flow

\$ in millions, except % (Unaudited)	Q2'25
<b>GAAP net cash provided by operating activities of continuing operations</b>	\$ 1,462
<i>Operating cash flow margin % from continuing operations</i>	19%
Purchases of property and equipment	(282)
<b>Free cash flow</b>	\$ 1,180
<i>Free cash flow margin %</i>	15%

# Appendices

## Share Count Overview

Shares (millions) <sup>(1)</sup>	Q2'25	Q3'25
	Actual	Estimate
Basic shares	1,623	1,625
Dilutive impact from employee equity grants <sup>(2)</sup>	7	7
Diluted shares	1,630	1,632

The table above provides actual share count for Q2'25 and an estimate of share count to use when calculating GAAP and non-GAAP diluted earnings per share for Q3'25.

(1) Share counts are weighted average shares.

(2) The dilutive impact of employee equity grants is based on the Treasury Stock method and is dependent upon the average stock price during the period. The Q2'25 average stock price was \$108.24. The Q2'25 average stock price of \$108.24 was assumed for Q3'25 average stock price estimates.

# Appendices

## RECONCILIATION OF GAAP TO ADJUSTED NON-GAAP FINANCIAL MEASURES

\$ in millions, except % (Unaudited)	Q2'25
<b>GAAP gross profit</b>	<b>\$ 3,059</b>
<i>GAAP gross margin</i>	<i>40%</i>
Stock based compensation, amortization of acquisition related intangibles, acquisition related and other costs	267
Inventory and related charges associated with U.S. export restrictions	800
Non GAAP gross profit (as adjusted to exclude inventory and related charges associated with U.S. export restrictions)	\$ 4,126
<b><i>Non GAAP gross margin (as adjusted to exclude inventory and related charges associated with U.S. export restrictions)</i></b>	<b><i>54%</i></b>

# Endnotes

MI300 080 Testing by AMD Performance Labs as of May 15, 2025, measuring the inference performance in tokens per second (TPS) of AMD ROCm 6.x software, vLLM 0.3.3 vs. AMD ROCm 7.0 preview version SW, vLLM 0.8.5 on a system with (8) AMD Instinct MI300X GPUs running Llama 3.1 70B (TP2), Qwen 72B (TP2), and Deepseek R1 (FP16) models with batch sizes of 1 256 and sequence lengths of 128 204. Stated performance uplift is expressed as the average TPS over the (3) LLMs tested

MI300 081 Testing conducted by AMD Performance Labs as of May 15, 2025, to measure the training performance (TFLOPS) of ROCm 7.0 preview version software, Megatron LM, on (8) AMD Instinct MI300X GPUs running Llama 2 70B (4K), Qwen1.5 14B, and Llama3.1 8B models, and a custom docker container vs. a similarly configured system with AMD ROCm 6.0 software.

MI350 006 "MI350X / MI355X to H200: "AMD Instinct™ MI350X / MI355X (AMD CDNA™ 4) GPUs offer 2.04x or 104% more memory capacity vs the NVIDIA Hopper H200 GPU." "AMD Instinct™ MI350X / MI355X (AMD CDNA™ 4) GPUs offer 288GB HBM3e memory capacity, while NVIDIA Hopper H200 GPUs offer 141GB HBM3e memory capacity." "AMD Instinct™ MI350X / MI355X (AMD CDNA™ 4) GPUs offer up to 67% more peak theoretical memory throughput versus an NVIDIA Hopper H200 GPU." " "AMD Instinct™ MI350X / MI355X (AMD CDNA™ 4) GPUs offer up to 8 TB/s GPU memory bandwidth, while NVIDIA Hopper H200 GPUs offer up to 4.8 TB/s GPU memory bandwidth.

