

CAUTIONARY STATEMENT

This presentation contains forward-looking statements concerning Advanced Micro Devices, Inc. (AMD) such as AMD's vision, mission and focus; the proposed transaction with Xilinx, Inc. including expectations, benefits and plans of the proposed transaction; total addressable markets; AMD's technology roadmaps; the features, functionality, performance, availability, timing and expected benefits of future AMD products; and AMD's path forward in data center, PCs and gaming, 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. 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 Annual Report on Form 10-K for the year ended December 26, 2020. AMD does not assume, and hereby disclaims, any obligation to update forward-looking statements made in this presentation, except as may be required by law.

NON-GAAP FINANCIAL MEASURES In this presentation, in addition to GAAP financial results, AMD has provided non-GAAP financial measures including non-GAAP gross margin, and non-GAAP 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 2020, AMD uses a projected non-GAAP tax rate, which excludes the direct tax impacts of pre-tax non-GAAP adjustments, of approximately 3%, reflecting currently available information. 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.

No Offer or Solicitation

This communication is not intended to and shall not constitute an offer to buy or sell or the solicitation of an offer to buy or sell any securities, or a solicitation of any vote or approval, nor shall there be any sale of securities in any jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such jurisdiction. No offer of securities shall be made except by means of a prospectus meeting the requirements of Section 10 of the Securities Act of 1933, as amended.

Additional Information about the Acquisition and Where to Find It

In connection with the proposed transaction, Advanced Micro Devices, Inc. (AMD) intends to file with the SEC a registration statement on Form S-4 that will include a joint proxy statement of AMD and Xilinx, Inc. (Xilinx) and that also will constitute a prospectus with respect to shares of AMD's common stock to be issued in the proposed transaction (the "joint proxy statement/prospectus"). Each of AMD and Xilinx may also file other relevant documents with the SEC regarding the proposed transaction. This document is not a substitute for the joint proxy statement/prospectus or any other document that AMD or Xilinx may file with the SEC. The definitive joint proxy statement/prospectus (if and when available) will be mailed to stockholders of AMD and Xilinx. INVESTORS AND SECURITY HOLDERS ARE URGED TO READ THE JOINT PROXY STATEMENT/PROSPECTUS AND ANY OTHER RELEVANT DOCUMENTS THAT ARE OR WILL BE FILED WITH THE SEC, AS WELL AS ANY AMENDMENTS OR SUPPLEMENTS TO THESE DOCUMENTS, CAREFULLY AND IN THEIR ENTIRETY BECAUSE THEY CONTAIN OR WILL CONTAIN IMPORTANT INFORMATION ABOUT THE PROPOSED TRANSACTION AND RELATED MATTERS. Investors and security holders will be able to obtain free copies of the joint proxy statement/prospectus (if and when available) and other documents containing important information about AMD, Xilinx and the proposed transaction, once such documents are filed with the SEC through the website maintained by the SEC at www.sec.gov. Copies of the documents filed with the SEC by AMD will be available free of charge on AMD's website at ir.AMD.com or by contacting AMD's Corporate Secretary by email at Corporate.Secretary@AMD.com. Copies of the documents filed with the SEC by Xilinx will be available free of charge on Xilinx's website at investor.Xilinx.com or by contacting Xilinx's Investor Relations department by email at ir@xilinx.com.

Participants in the Solicitation

AMD, Xilinx and certain of their respective directors and executive officers may be deemed to be participants in the solicitation of proxies in respect of the proposed transaction. Information about the directors and executive officers of AMD, including a description of their direct or indirect interests, by security holdings or otherwise, is set forth in AMD's proxy statement for its 2020 annual meeting of stockholders, which was filed with the SEC on March 26, 2020. Information about the directors and executive officers of Xilinx, including a description of their direct or indirect interests, by security holdings or otherwise, is set forth in Xilinx's proxy statement for its 2020 annual meeting of stockholders, which was filed with the SEC on June 19, 2020. Other information regarding the participants in the proxy solicitations and a description of their direct and indirect interests, by security holdings or otherwise, will be contained in the joint proxy statement/prospectus and other relevant materials to be filed with the SEC regarding the proposed transaction. You may obtain free copies of these documents using the sources indicated above.



OUR VISION

OUR MISSION

High-performance computing is transforming our lives

Build great products that accelerate next generation computing experiences

OUR FOCUS

HIGH-PERFORMANCE COMPUTING SOLUTIONS



Supercomputing



Cloud, Hyperscale & Virtualization



Al & Analytics Everywhere



Visualization



Gaming



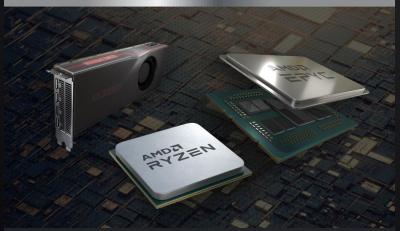
Smarter Client Devices

AMD IS A LEADING TECHNOLOGY COMPANY



12,000+ Employees

Working around the world, headquartered in Santa Clara, California



Building the Best

Developing high-performance compute technologies that move us forward



Transforming the World

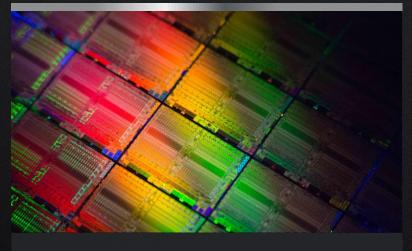
Non-stop innovation for the world's creators, researchers, inventors and explorers

NASDAQ: AMD

OUR CULTURE OF INNOVATION







Innovate

We build products that transform the world

From research, education and healthcare to business and entertainment

Lead

Everyone has a voice

Our leaders drive growth and innovation through a diverse mix of perspectives and backgrounds

Execute

We are laser focused on innovation and execution

We challenge the status quo and we deliver on our commitments

CORPORATE RESPONSIBILITY AT AMD

















People

Creating a culture that drives innovation by fostering diversity, equality and belonging

Planet

Steadfast commitment to environmental stewardship and contributing to our local communities

Purpose

Responsibly developing cutting-edge technologies that enable a more just and sustainable world

GREATER TECHNOLOGY FOR THE GREATER GOOD

MAKING THE WORLD A BETTER PLACE

Fortune Fortune Bloomberg Forbes + Just Capital Human Rights Campaign **Most Admired Gender-Equality Companies that America's Most** Corporate **Equality Index** Change the World Companies Index **Just Companies** 2020 2020, 2021 2018-2021 2017-2021 2019-2021 **FORTUNE** JUST Bloomberg Gender-Equality 2021 for LGBTQ Equality **CHANGE THE** WORLD 2020

WHERE THE BEST MINDS DO THEIR BEST WORK

OUR MARKET OPPORTUNITY



Data Center

\$35B TAM



PCs

\$32B TAM



Gaming

\$12B TAM

\$79B TAM

AMD TECHNOLOGIES & ARCHITECTURE ROADMAPS

AMDA HIGH-PERFORMANCE SOLUTIONS

HIGH-PERFORMANCE COMPUTE

AMDA RYZEN AMDA **AND**

HIGH-PERFORMANCE GRAPHICS

AMDA RADEON

AMDA INSTINCT

"ZEN 3" CORE ARCHITECTURE

LEADERSHIP SINGLE-THREAD, MULTI-THREAD AND GAMING PERFORMANCE

AVAILABLE NOW IN AMD RYZEN™ 5000 SERIES DESKTOP AND NOTEBOOK CPUs



19% IPC Increase

The largest generational increase since AMD introduced "Zen" in 2017 Up to

2.8X More

performance-per-watt versus the competition

Up to 24% better power efficiency over "Zen 2"

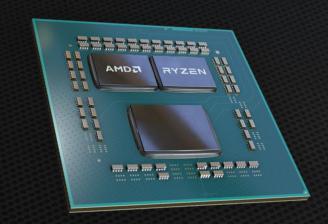
Highest

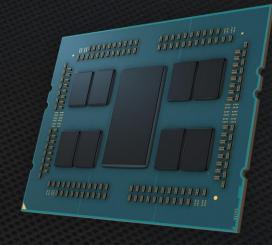
single-thread performance for PC gamers



"ZEN 2" CORE ARCHITECTURE

FASTER, COOLER, WITH LOWER POWER CONSUMPTION FOR SERVERS, LAPTOPS AND DESKTOPS





World's first high-performance x86 7nm CPU

Revolutionary **Chiplet Design** delivers more cores at the same power

Average 15% IPC Uplift, higher in some server workloads

Breakthrough 2nd Gen Infinity **Architecture** interconnect



COMPUTE ARCHITECTURE ROADMAP

SUSTAINED HIGH-PERFORMANCE LEADERSHIP

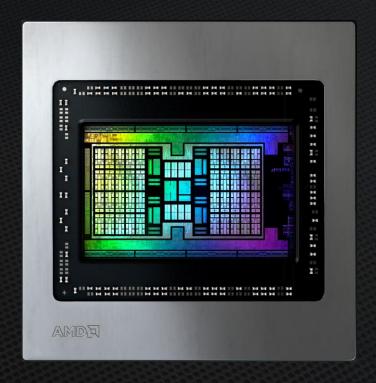


AMDA

AMD RDNA™ 2 **GRAPHICS** ARCHITECTURE

DRIVING GAMING PERFORMANCE LEADERSHIP

AVAILABLE IN AMD RADEON™ RX 6000 SERIES **DESKTOP GPUs**



Performance

2X performance compared to AMD Radeon RX 5700 XT

Power

Up to 65% generational performance-per-watt improvement

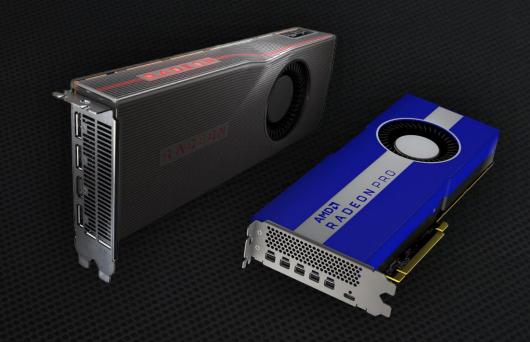
Features

Deliver DX12 Ultimate experience for every gamer with raytracing, variable rate shading and more



AMD RDNA™ **GRAPHICS** ARCHITECTURE

HIGH-PERFORMANCE DESIGN FOR PC, CONSOLE, CLOUD AND MOBILE



Performance

for diverse gaming and workstation workloads

Efficiency

+50% performance-perwatt improvement

Features

to enhance gaming experiences

Scalability

from mobile to cloud

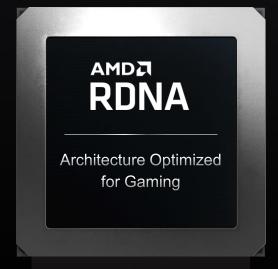


GAMING GPU ARCHITECTURE ROADMAP

DRIVING GAMING PERFORMANCE LEADERSHIP



7nm





7nm



Perf/Watt Improvement Ray Tracing, Variable Rate Shading & More

In Design Advanced Node



2019

2022

AMD CDNA ARCHITECTURE

GPU COMPUTE DNA FOR THE DATA CENTER



Performance

Accelerate ML/HPC with Compute/Tensor OPS

Efficiency

Designed for improved Perf-per-Watt

Features

Enhance Enterprise RAS, Security and Virtualization

Scalability

Scale Performance with **AMD Infinity Architecture**

COMPUTE GPU ARCHITECTURE ROADMAP

COMPUTE DNA FOR THE DATA CENTER



7nm





7nm



2nd Gen AMD Infinity Architecture Optimized for ML/HPC

Advanced Node

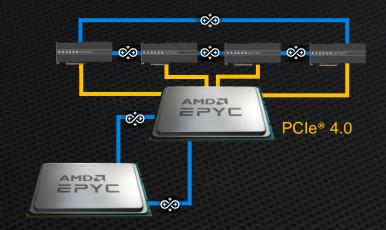


3rd Gen AMD Infinity Architecture Extends to Exascale

2019

AMD INFINITY ARCHITECTURE

SCALABLE INTERCONNECT TECHNOLOGY FOR AMD CPUs AND GPUs



4/8-WAY GPU CONNECTIVITY

2nd Gen

AMD Infinity Architecture

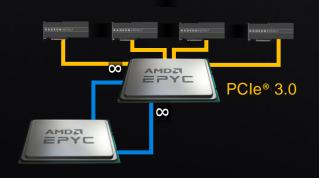
Leveraged across AMD product line from notebook to server

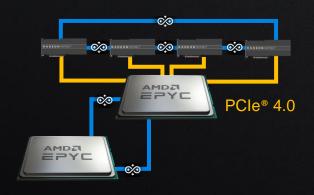
Optimization for multi-processor performance and scalability

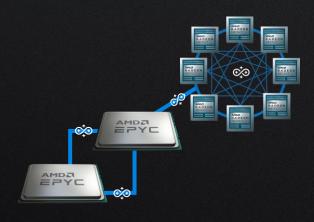
Enables revolutionary chiplet design

Delivers efficiency, performance, throughput and security features

AMD INFINITY ARCHITECTURE ROADMAP







CPU CONNECTIVITY

4/8-WAY GPU CONNECTIVITY

UP TO 8-WAY GPU WITH COHERENT CONNECTIVITY

1st Gen AMD Infinity Fabric[™]

2nd Gen **AMD Infinity Architecture**

3rd Gen **AMD Infinity Architecture**

2017



AMD DATA CENTER FOCUS

DELIVERING CPU AND GPU DIFFERENTIATION



HPC



Enterprise/IT



Cloud



Machine Intelligence

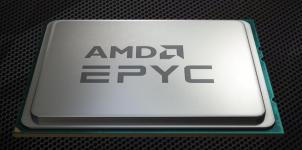


Virtualization & Cloud Gaming

 AMDA INSTINCT

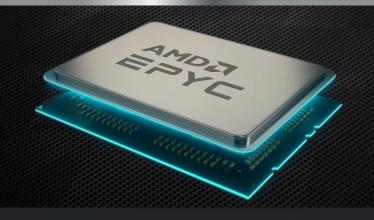
AMD EPYCTM LINEUP

A NEW ERA IN THE DATA CENTER



1st Gen AMD EPYC™ Processors

"Zen" Architecture



2nd Gen AMD EPYC[™] Processors

"Zen 2" Architecture



3rd Gen AMD EPYC™ Processors

"Zen 3" Architecture
Launching Q1 2021

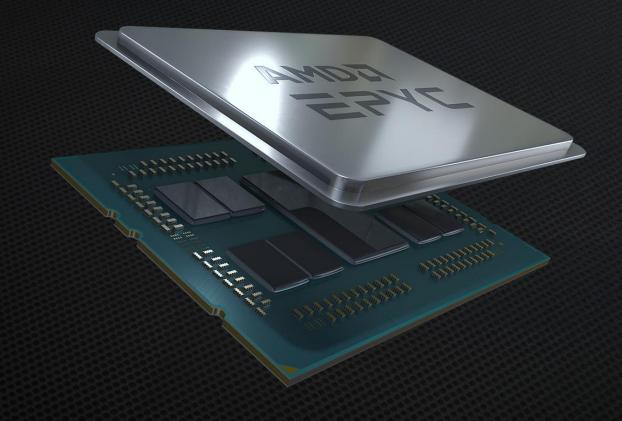
HIGH-PERFORMANCE COMPUTING FOR THE MODERN DATA CENTER

2ND GEN AMD EPYC™ **PROCESSOR**

RECORD-SHATTERING PERFORMANCE Highest Performance x86 Server Processor*

BREAKTHROUGH ARCHITECTURE Chiplet Design, "Zen 2" Core, Infinity Fabric™

DISRUPTIVE TCO Higher Performance Drives Lower CapEx and OpEx



170+ World Records and Counting

128 OR HIGHER PCle® 4.0 Lanes**

Up to Lower TCO

Advanced Security Features

DATA CENTER GROWTH

DELIVERING LEADERSHIP COMPUTE DIFFERENTIATION









Supercomputing

Leading the Exascale Era Consistently Winning Top Deployments

Cloud

Expanding Deployments with Leading Providers

Enterprise

Large-scale Enterprise Deployments with Growing Pipeline

AMD DATA CENTER CPU ROADMAP

SUSTAINED HIGH-PERFORMANCE LEADERSHIP



14nm





7nm





"Milan" 7nm



"Genoa" 5nm



2017

AMD DATA CENTER GPU LINEUP

A NEW ERA IN THE DATA CENTER



AMD Instinct™ MI100 **Accelerator**

> **AMD CDNA** architecture



Radeon™ Instinct MI50 **Accelerator**

2nd generation "Vega" architecture



Customer-Oriented Data Center Solutions

Strategic development with lead customers



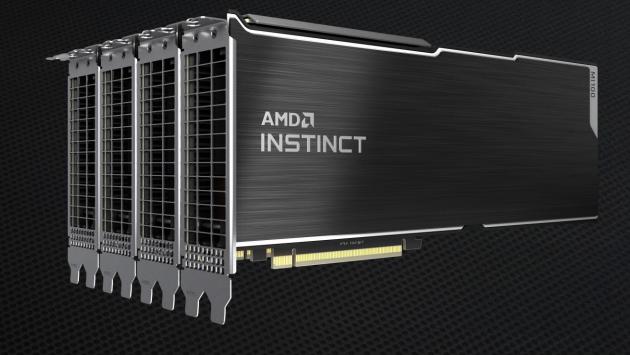
ROCm™ **Software**

Top-to-bottom open ecosystem commitment

WORLD-CLASS GPU ACCELERATOR TECHNOLOGIES OPEN **SOFTWARE ECOSYSTEM** PLATFORM

ANNOUNCED NOVEMBER 2020 AMD INSTINCT™ **MI100** ACCELERATOR

WORLD'S FASTEST HPC ACCELERATOR FOR SCIENTIFIC RESEARCH



Revolutionizing HPC and AI with industryleading compute performance

All-new AMD CDNA architecture

2nd Gen AMD Infinity Fabric[™] technology

Supported by accelerated compute platforms from Dell, GIGABYTE, HPE and Supermicro

AMD DATA CENTER GPU ROADMAP



7nm





7nm



2nd Gen AMD Infinity Architecture Optimized for ML/HPC

Advanced Node



3rd Gen AMD Infinity Architecture Extends to Exascale

2019

OUR PATH FORWARD THE NEW DATA CENTER LEADER

Leadership Roadmap, Consistent Execution

Leadership Performance Leadership Architecture for **Accelerated Computing**

AMD CLIENT FOCUS

BUILDING THE BEST PROCESSORS IN THE WORLD







Desktops

Gaming Commercial Consumer High-end

Notebooks

Gaming Commercial Consumer Chromebook

Workstations

Commercial Consumer

AMD CLIENT LINEUP

PERFORMANCE FOR CONSUMER AND COMMERCIAL PCs













AMD Ryzen™ 5000 Series **Desktop Processors**

> "Zen 3" Architecture

AMD Ryzen™ 5000 Series **Mobile Processors**

"Zen 3" Architecture + Built-in Radeon™ Graphics AMD Ryzen Threadripper and Threadripper PRO **Desktop Processors**

> "Zen 2" Architecture

AMD Ryzen 3000 Series **Desktop Processors**

> "Zen 2" Architecture

AMD Ryzen and Athlon Processors for Chromebooks

"Zen" Architecture + Built-in Radeon™ Graphics + Built-in Radeon™ Graphics

AMD Ryzen[™] Desktop **Processors** with Radeon™ Graphics

"Zen 2" Architecture

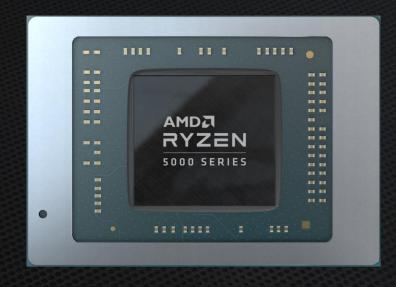
RYZEN AMDA RYZEN THREADRIPPER

AMDA RYZEN 220

THREADRIPPER ATHLON **ANNOUNCED JANUARY 2021**

AMD RYZEN™ 5000 SERIES MOBILE **PROCESSORS**

THE WORLD'S BEST LAPTOP **PROCESSORS**



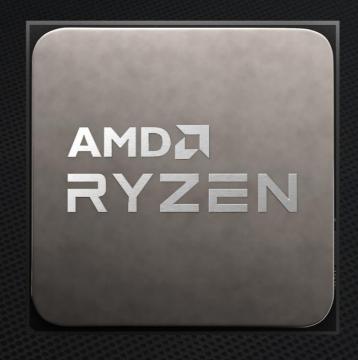
Unprecedented performance and battery life with "Zen 3" core architecture

Ryzen 5000 U-Series processors optimized for thin and light notebooks

Ryzen 5000 H-Series processors optimized for gamers and creators 150+ commercial and consumer notebooks expected in 2021

AMD RYZEN™ 5000 SERIES DESKTOP **PROCESSORS**

THE WORLD'S FASTEST GAMING **PROCESSORS**



Across the board performance leadership for gamers and content creators

7nm "Zen 3" core architecture delivers 19% IPC uplift

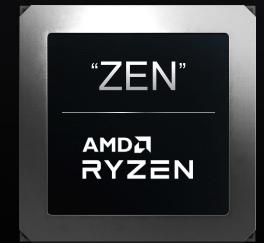
Up to 26% gaming performance generational uplift

Leadership power efficiency with up to 2.8X performance-perwatt versus competition

AMD CLIENT CPU ROADMAP

SUSTAINED HIGH-PERFORMANCE LEADERSHIP













2017 •

2021



Multi-Generational Product Leadership

Superior User Experience

High-Performing
Notebook
Processors

Commercial Momentum

AMD GRAPHICS FOCUS

EXPANDING THE RADEON™ UNIVERSE











PCs

Radeon™ RX 6000 series, RX 5000 series, and Radeon™ Pro W5000 series

Apple Mac

Broad line-up, including Radeon™ Pro 5000 and 5000M series and W5700X GPUs

Consoles

Latest consoles powered by "Zen 2" and AMD RDNA™ 2

Cloud

Google Stadia, Microsoft Project xCloud, Microsoft Azure

Mobile

Samsung partnership and IP licensing

HPC

El Capitan and Frontier supercomputers

AMDA RADEON

AMDA INSTINCT

AMD RADEONTM LINEUP

EXPANDING THE RADEON UNIVERSE



AMD RDNA™ 2 Architecture

AMD Radeon™ RX 6000

Series



AMD Radeon™ RX 5000 Series

> AMD RDNA™ Architecture



AMD Radeon™ RX 500 Series

> "Polaris" GCN Architecture



AMD Radeon™ VII

"Vega" GCN Architecture



AMD Radeon™ Pro **Workstation Graphics**

RDNA™ Architecture "Vega" Architecture



Radeon™ Instinct MI100

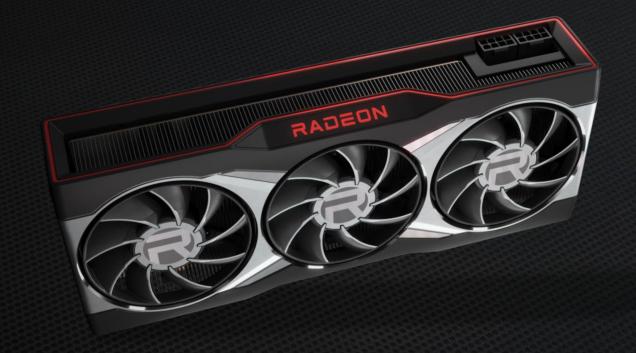
> AMD CDNA **Architecture**

AMDA RADEON

RADEON 220

AMD RADEON™ RX 6000 SERIES

HIGH-PERFORMANCE GAMING



AMD RDNA™ 2 architecture enables performance, features and efficiency

Up to 2X higher performance compared to AMD RDNA GPUs

Up to 54% higher performance-perwatt over AMD RDNA GPUs

Enables DirectX 12 Ultimate support, raytracing and variable rate shading

AMD RADEON™ RX 5000 SERIES

HIGH-PERFORMANCE GAMING



High-fidelity gaming experiences for desktops and notebooks

AMD RDNA™ architecture for superior performance and power efficiency

Industry-leading 7nm process technology

Game-changing Radeon™ Software features

AMD GAMING GPU ROADMAP





"NAVI 1X"



7nm



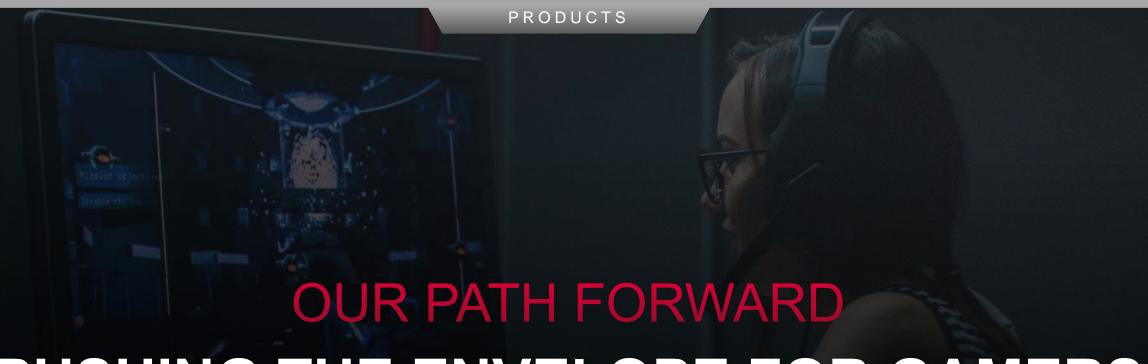
Advanced Node



"NAVI 3X"

2019

2022



PUSHING THE ENVELOPE FOR GAMERS

AMD RDNA™
Scales from PC to
Console to Cloud

Top-to-Bottom Leadership Product Stack Advanced Software

AMD MARKET & FINANCIAL MOMENTUM

EXPANDING OUR CUSTOMER BASE

ACROSS PCs, GAMING AND THE DATA CENTER









































Lenovo





SAMSUNG

















Inventec

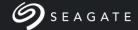
















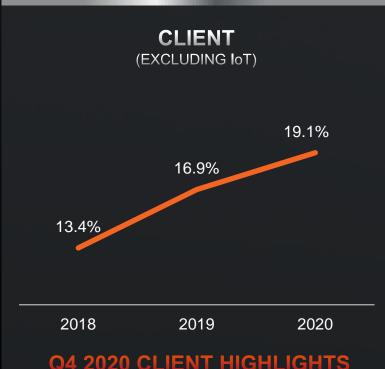






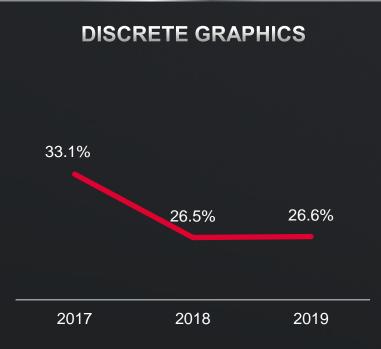
AMD MARKET SHARE

UNIT MARKET SHARE



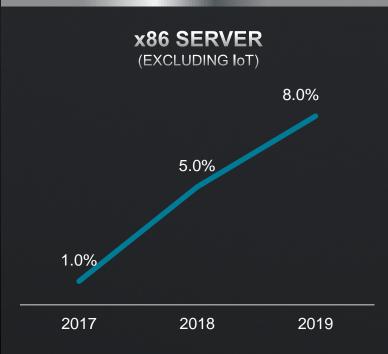
Q4 2020 CLIENT HIGHLIGHTS

Record desktop CPU launch quarter sellthrough with Ryzen 5000 Series; record quarterly mobile unit shipments



Q4 2020 GRAPHICS HIGHLIGHTS

Desktop GPU sales increased significantly as Radeon 6000 series are fastest selling high-end AMD GPUs ever



Q4 2020 SERVER HIGHLIGHTS

Record quarterly server processor revenue as cloud and enterprise sales grew sequentially



FINANCIAL MOMENTUM AND GROWTH







EARNINGS POWER OF AMD FINANCIAL MODEL



Creating the Industry's High Performance Computing Leader

Comprehensive **Processor Portfolio**

Diversified & **Growing Markets** **Data Center** Momentum

Margin Expansion **Immediately** Accretive

AMDA BUILDING THE BEST



Innovative CPU and GPU solutions

Multi-year leadership technology roadmaps

Growing customer base and market share

Strong and consistent execution

Best-in-class growth technology franchise

HIGH-PERFORMANCE COMPUTING LEADERSHIP

AMDA

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Annual Report

Case Studies

Corporate Responsibility at AMD

Learn More About AMD Ryzen Processors

Learn More About AMD Radeon Graphics Cards

Learn More About AMD EPYC Server Processors

AMD Innovations

Careers at AMD

ENDNOTES + APPENDICES

Footnotes GD-122, GD-142, RZ3-34, R5K-003, R5K-007, R5K-012, R5K-004, RX-325, RX-362

GD-122: The information contained herein is for informational purposes only and is subject to change without notice. Timelines, roadmaps, and/or product release dates shown in these slides are plans only and subject to change. "Zen," "Zen 3," "Zen 4," "RDNA," "RDNA 2," "Vega," "Polaris," "GCN," "Naples," "Rome," "Milan" and "Genoa" are codenames for AMD architectures, and are not product names.

GD-142: AMD APUs and GPUs based on the Graphics Core Next and RDNA architectures contain GPU Cores comprised of compute units, which are defined as 64 shaders (or stream processors) working together.

RZ3-34: ~15% IPC uplift: AMD "Zen 2" CPU-based system scored an estimated 15% higher than previous generation AMD "Zen" based system using estimated SPECint®_base2006 results. SPEC and SPECint are registered trademarks of the Standard Performance Evaluation Corporation. See V

RX-325: Testing done by AMD performance labs 6/1/19, using the Division 2 @ 25x14 Ultra settings. Performance may vary based on use of latest drivers. RX-325

R5K-003: Testing by AMD performance labs as of 09/01/2020. IPC evaluated with a selection of 25 workloads running at a locked 4GHz frequency on 8-core "Zen 2" Ryzen 7 3800XT and "Zen 3" Ryzen 7 5800X desktop processors configured with Windows® 10, NVIDIA GeForce RTX 2080 Ti (451.77), Samsung 860 Pro SSD, and 2x8GB DDR4-3600. Results may vary. R5K-003

R5K-007: Testing by AMD Performance Labs as of 09/01/2020 using Cinebench R20 nT versus system wall power during full load CPU test using a Core i9-10900K, Ryzen 9 3900XT, Ryzen 9 5900X, Ryzen 9 3950X, and a Ryzen 9 5950X configured with: 2x8GB DDR4-3600, GeForce RTX 2080 Ti, Samsung 860 Pro SSD, Noctua NH-D15s cooler, and an open-air test bench with no additional power draw sources. Results may vary. R5K-007

R5K-012: Testing by AMD Performance Labs as of 09/01/2020 using a Ryzen 7 1800X, Ryzen 9 3900XT, and a Ryzen 9 5900X CPU in Cinebench R20 nT versus system wall power during full load CPU test. All systems configured with: 2x8GB DDR4-3600, GeForce RTX 2080 Ti, Samsung 860 Pro SSD, Noctua NH-D15s cooler, and an open-air test bench with no additional power draw sources. Results may vary. R5K-012

R5K-004: Testing by AMD performance labs as of 09/01/2020 with a Ryzen 9 5950X processor vs a Core i9-10900K configured with NVIDIA GeForce GTX 2080 Ti graphics, Samsung 860 Pro SSD, 2X8 DDR4-3600, Windows 10 and a Noctua NH-D15s cooler. Single-core performance evaluated with Cinebench R20 1T benchmark. Results may vary. R5K-004

RX-325: Testing done by AMD performance labs 6/1/19, using the Division 2 @ 25x14 Ultra settings. Performance may vary based on use of latest drivers.

RX-362: Testing done by AMD performance labs on June 4, 2019. Systems were tested with: Intel(R) Core(TM) i7-5930K CPU @ 3.50GHz (6 core) with 16GB DDR4 @ 2133 MHz using an Asus X99-E Motherboard running Windows 10 Enterprise 64-bit (Ver. 1809, build 17763.053). Using the following graphics cards: Navi 10 (Driver 19.30_1905161434 (CL# 1784070)) with 40 compute units, versus a Vega 64 (Driver 19.4.1) with 40 compute units enabled. Breakdown based on AMD internal data June 4, 2019. Performance may vary. RX-362

Footnotes RX-558, RX-537, RX-549, RX-554, ROM-169, ROM-114, EPYC-18, ROM-517

RX-558: Testing done by AMD performance labs October 20 2020 on RX 6900 XT and RX 5700 XT (20.45-201013n driver), AMD Ryzen 9 5900X (3.70GHz) CPU, 16GB DDR4-3200MHz, Engineering AM4 motherboard, Win10 Pro 64. The following games were tested at 4k at max settings; Battlefield V DX11, Doom Eternal Vulkan, Forza DX12, Resident Evil 3 DX11, Shadow of the Tomb Raider DX12. Performance may vary. RX-558

RX-537: Idle power analysis measured by AMD performance labs 10/16/2020 on a system configured with a Radeon RX 6800 XT with driver 27.20.14502.62, Radeon RX 5700 XT with driver 27.20.216.331, AMD Ryzen 5 3600X, 16GB DDR4-3200MHz, ASUS Prime X570 Pro, on Win10 Pro x64 19041.508. Performance may vary. RX-537

RX-549: Testing done by AMD performance labs 10/16/20, using Assassins Creed Odyssey (DX11, Ultra), Battlefield V (DX12, Ultra), Borderlands 3 (DX12, Ultra), Control (DX12, High), Death Stranding (DX12 Ultra), Division 2 (DX12, Ultra), F1 2020 (DX12, Ultra), Far Cry 5 (DX11, Ultra), Gears of War 5 (DX12, Ultra), Hitman 2 (DX12, Ultra), Horizon Zero Dawn (DX12, Ultra), F1 2020 (DX12, Ultra), Metro Exodus (DX12, Ultra), Resident Evil 3 (DX12, Ultra), Shadow of the Tomb Raider (DX12, Highest), Strange Brigade (DX12, Ultra), Total War Three Kingdoms (DX11, Ultra), Witcher 3 (DX11, Ultra no HairWorks) at 4K. System comprised of an RX 6800 XT with AMD Radeon Graphics driver 27.20.12031.1000 and an RX 5700 XT with AMD Radeon Graphics driver 26.20.13001.9005. Performance may vary. RX-549

RX-554: Testing done by AMD performance labs 10/21/20, using Assassins Creed Odyssey (DX11, Ultra), Battlefield V (DX12, Ultra), Borderlands 3 (DX12, Ultra), Control (DX12, High), Death Stranding (DX12 Ultra), Division 2 (DX12, Ultra), F1 2020 (DX12, Ultra), Far Cry 5 (DX11, Ultra), Gears of War 5 (DX12, Ultra), Hitman 2 (DX12, Ultra), Horizon Zero Dawn (DX12, Ultra), F1 2020 (DX12, Ultra), F1 2020 (DX12, Ultra), F2 (DX12, Ultra), F3 (DX12, Ultra), F3 (DX12, Ultra), F3 (DX12, Ultra), F4 (DX12, Ultra), Metro Exodus (DX12, Ultra), Resident Evil 3 (DX12, Ultra), Shadow of the Tomb Raider (DX12, Highest), Strange Brigade (DX12, Ultra), Total War Three Kingdoms (DX11, Ultra), Witcher 3 (DX11, Ultra no HairWorks) at 4K. System comprised of an RX 6900 XT with AMD Radeon Graphics driver 27.20.12031.1000 and an RX 5700 XT with AMD Radeon Graphics driver 26.20.13001.9005. Performance may vary. RX-554

ROM-169: For a complete list of world records see http://amd.com/worldrecords.

EPYC-18: Max boost for AMD EPYC processors is the maximum frequency achievable by any single core on the processor under normal operating conditions for server systems. EPYC-18

ROM-517: 16-n, 2P 2nd Gen EPYC™ 7702 powered server scores a world record result of 7100 SPECrate®2017 int base http://spec.org/cpu2017/results/res2020q1/cpu2017-20191223-20452.pdf. The next highest published score is 3920 SPECrate®2017_int_base on a 16-n, 2-socket Xeon® 8180 powered server http://spec.org/cpu2017/results/res2018q1/cpu2017-20171222-01950.pdf as of 02/12/20. ROM-517

Footnotes ROM-557, RIV-20, MI100-03, CZM-1, CZM-34, R5K-002

ROM-557: Estimates based on AMD Server Virtualization TCO (total cost of ownership) Estimator tool v5.5, comparing the AMD EPYC™ and Intel® Xeon® server solutions required to deliver 320 total virtual machines (VM), requiring 1 core and 8GB of memory per VM, with a minimum total solution memory requirement of 2.56 TB of memory. The analysis includes both hardware and virtualization software components. For 320 VMs and 1 core per VM, the Intel _Gold_6250 processor requires 20 - 2P servers. The AMD EPYC_7702P solution requires 5 - 1P servers. Virtualization software pricing as of October 2019. Third party names are for informational purposes only and may be trademarks of their respective owners. This scenario contains many assumptions and estimates and, while based on AMD internal research and best approximations, should be considered an example for information purposes only, and not used as a basis for decision making over actual testing. All pricing is in USD. ROM-557

RIV-20: Testing Conducted by AMD performance lab as of 11-10-2019 using NAMD 2.13, STMV 1M Atom benchmark. Best-in-class based on industry-standard pinbased (LGA) X86 processors. Results may vary. RIV-20

MI100-03: Calculations conducted by AMD Performance Labs as of Sep 18, 2020 for the AMD Instinct™ MI100 (32GB HBM2 PCIe® card) accelerator at 1,502 MHz peak boost engine clock resulted in 11.54 TFLOPS peak double precision (FP64), 46.1 TFLOPS peak single precision matrix (FP32), 23.1 TFLOPS peak single precision (FP32), 184.6 TFLOPS peak half precision (FP16) peak theoretical, floating-point performance. Published results on the NVidia Ampere A100 (40GB) GPU accelerator resulted in 9.7 TFLOPS peak double precision (FP64). 19.5 TFLOPS peak single precision (FP32), 78 TFLOPS peak half precision (FP16) theoretical, floating-point performance. Server manufacturers may vary configuration offerings yielding different results. MI100-03

CZM-1: 'Best Mobile Processors' is defined as having the highest multi-thread processing performance in each of four (4) classes of Ryzen 5000 series processors. Testing by AMD engineering using the Cinebench R20 nT benchmark, measuring multithreaded performance of a Ryzen 9 5900HX processor engineering sample vs Core i9-10980HK, Ryzen 7 5800U processor engineering sample vs Core i7-1185G7 processor, the Ryzen 5 5600U processor engineering sample vs Core i5-1135G7 processor, and a Ryzen 3 5400U processor engineering sample vs Core i3-1115G4 processor. Performance may vary. CZM-1

CZM-34: Performance projection by AMD engineering staff based on calculated total system power with an AMD Ryzen 7 5800U vs Ryzen 7 4800U system engaged in continuous sleep, idle, video playback, and Mobilemark 2018 on an AMD Reference Platform configured with a 53WHr battery. CZM-34

R5K-002: Testing by AMD performance labs as of 9/2/2020 based on the average FPS of 40 PC games at 1920x1080 with the High image quality preset using an AMD Ryzen™ 9 5900X processor vs. Core i9-10900K. Results may vary. R5K-002

Footnotes R5K-009, CPK-02, CPP-03, CPP-77, CPP-06, RX-558, RX-549

R5K-009: Testing by AMD performance labs as of 09/01/2020 measuring gaming performance of a Ryzen 9 5900X desktop processor vs. a Ryzen 9 3900XT in 11 popular titles at 1920x1080, the High image quality preset, and the newest graphics API available for each title (e.g. DirectX® 12 or Vulkan™ or DirectX® 11). Results may vary. R5K-009

CPK-02: Testing by AMD performance labs on 10/07/2019 comparing an AMD Ryzen™ Threadripper™ 3970X and AMD Ryzen™ Threadripper™ 3960X vs. Intel® Core ™ i9-9980XE in the Cinebench R20 nT benchmark test. Results may vary.

CPP-03: The AMD Ryzen™ Threadripper™ PRO 3995WX has up to 64 cores compared to the highest core count Intel Xeon Scalable workstation processor, the 8280 at 28-cores. CPP-03

CPP-77: 'Most advanced' defined as superior 7nm process technology in a smaller node and unique PCIe® 4.0 capability in the workstation processor market. CPP-77.

CPP-06: Based on AMD internal analysis June 1, 2020, comparing memory bandwidth specifications of AMD Ryzen™ Threadripper™ PRO to Intel Xeon Scalable 8280. CPP-06

RX-558: Testing done by AMD performance labs October 20 2020 on a Radeon RX 6900 XT and Radeon RX 5700 XT (20.45-201013n driver), AMD Ryzen 9 5900X (3.70GHz) CPU, 16GB DDR4-3200MHz, Engineering AM4 motherboard, Win10 Pro 64. The Following games were tested at 4k at max settings: Battlefield V DX11, Doom Eternal Vulkan, Forza DX12, Resident Evil 3 DX11, Shadow of the Tomb Raider DX12, Performance may vary. RX-558

RX-549 - Testing done by AMD performance labs 10/16/20, using Assassins Creed Odyssey (DX11, Ultra), Battlefield V (DX12, Ultra), Borderlands 3 (DX12, Ultra), Control (DX12, High), Death Stranding (DX12 Ultra), Division 2 (DX12, Ultra), F1 2020 (DX12, Ultra), Far Cry 5 (DX11, Ultra), Gears of War 5 (DX12, Ultra), Hitman 2 (DX12, Ultra), Horizon Zero Dawn (DX12, Ultra), Metro Exodus (DX12, Ultra), Resident Evil 3 (DX12, Ultra), Shadow of the Tomb Raider (DX12, Highest), Strange Brigade (DX12, Ultra), Total War Three Kingdoms (DX11, Ultra), Witcher 3 (DX11, Ultra no HairWorks) at 4K. System comprised of a Radeon RX 6800 XT with AMD Radeon Graphics driver 27.20.12031.1000 and an Radeon RX 5700 XT with AMD Radeon Graphics driver 26.20.13001.9005. Performance may vary. RX-549

Footnotes GD-127, GD-147, GD-151

GD-127: Radeon FreeSync technology requires a monitor and AMD Radeon™ graphics, both with FreeSync support. See www.amd.com/freesync for complete details. Confirm capability with your system manufacturer before purchase. GD-127

GD-147: Game clock is the expected GPU clock when running typical gaming applications, set to typical TGP (Total Graphics Power). Actual individual game clock results may vary. GD-147

GD-151: Boost Clock Frequency is the maximum frequency achievable on the GPU running a bursty workload. Boost clock achievability, frequency, and sustainability will vary based on several factors, including but not limited to: thermal conditions and variation in applications and workloads. GD-151

APPENDICES

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

(Millions)	2018		2019		2020	
GAAP gross profit	\$	2,447	\$	2,868	\$	4,347
GAAP gross margin %		38%		43%		45%
Impairment of technology licenses		45		_		_
Stock-based compensation		4		6		6
Non-GAAP gross profit	\$	2,496	\$	2,874	\$	4,353
Non-GAAP gross margin %		39%		43%		45%

APPENDICES

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

(Millions, except per share data)	2018		20	019	2020		
GAAP net income / earnings per share	\$	337	\$ 0.32	\$ 341	\$ 0.30	\$ 2,490	\$ 2.06
Loss on debt redemption/conversion		12	0.01	176	0.15	54	0.04
Non-cash interest expense related to convertible debt		24	0.02	22	0.02	6	
Stock-based compensation		137	0.11	197	0.16	274	0.22
Impairment of technology licenses		45	0.04	_		<u>-</u>	<u> </u>
Equity loss (income) in investee		2		_		(5)	
Loss contingency on legal matter				12	0.01	<u> </u>	<u> </u>
Acquisition-related costs					_	14	0.01
Release of valuation allowance on deferred tax assets						(1,301)	(1.07)
Income tax provision		_		8		43	0.03
Withholding tax refund including interest		(43)	(0.04)				
Non-GAAP net income / earnings per share	\$	514	\$ 0.46	\$ 756	\$ 0.64	\$ 1,575	\$ 1.29

Shares used and net income adjustment in earnings per share calculation			
Shares used in per share calculation (GAAP)	1,064	1,120	1,207
Interest expense add-back to GAAP net income	\$ —	\$	\$ 1
Shares used in per share calculation (Non-GAAP)	1,165	1,209	1,228
Interest expense add-back to Non-GAAP net income	\$ 18	\$ 16	\$ 4

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