



FINANCIAL ANALYST DAY 2022

together we advance_

Building on Gaming Leadership

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Executive Vice President, Computing and Graphics Business Group

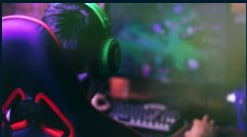
Cautionary Statement

This presentation contains forward-looking statements concerning Advanced Micro Devices, Inc. (AMD) including, but not limited to, the timing, availability, features, functionality and expected benefits of AMD's graphics products; gaming TAM and market; AMD's gaming GPU roadmap; expected Ryzen and Radeon systems in 2022; projected annual console sales and CAGR; new growth opportunities; silicon TAM; and AMD's growth opportunities and path forward, 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 most recent reports on Forms 10-K and 10-Q.

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.



INSATIABLE DEMAND FOR GRAPHICS COMPUTE



Gaming



Entertainment



Creators



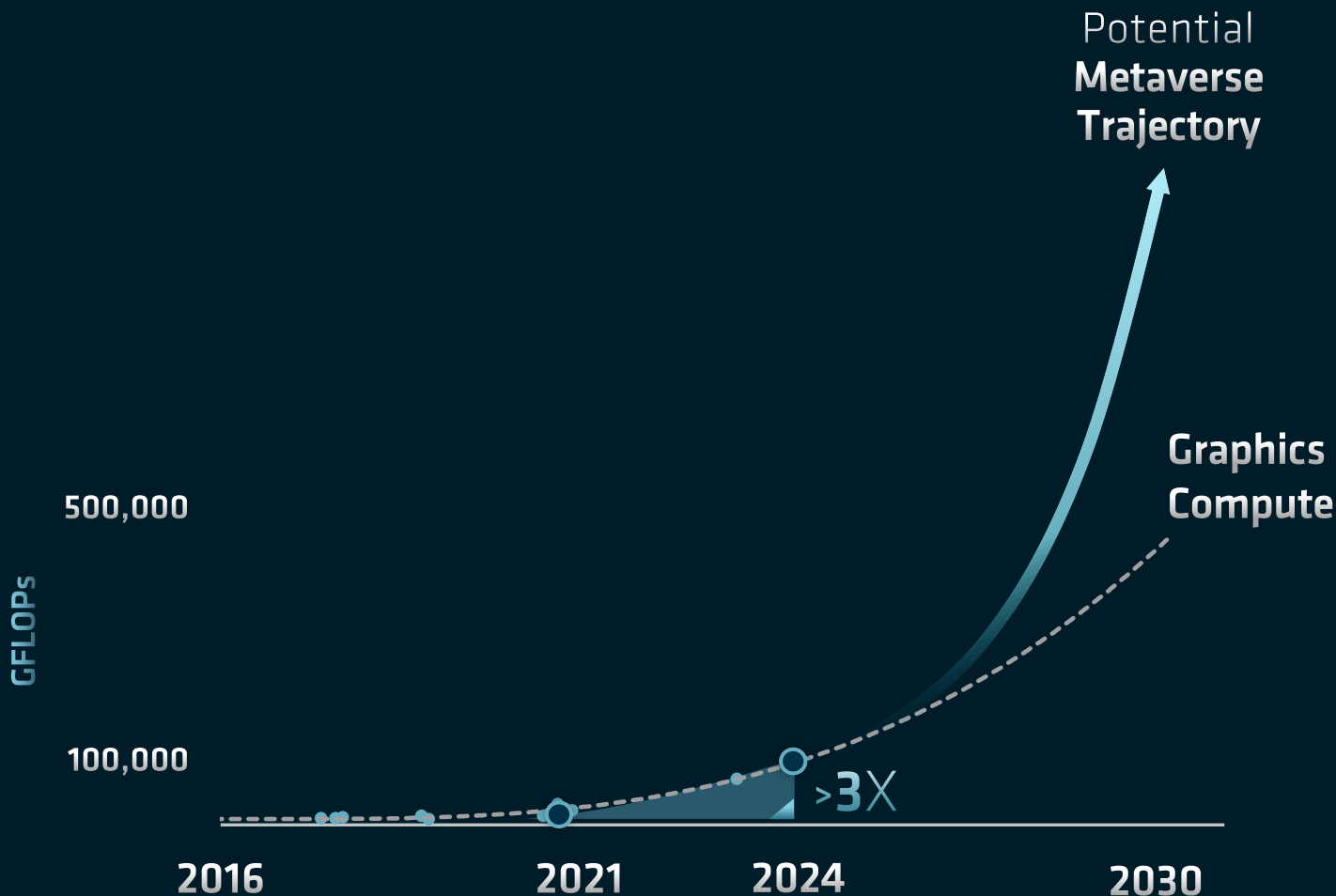
Machine Learning



Photorealistic Gaming



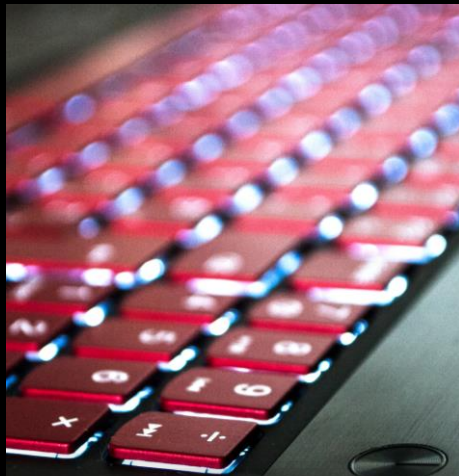
Metaverse



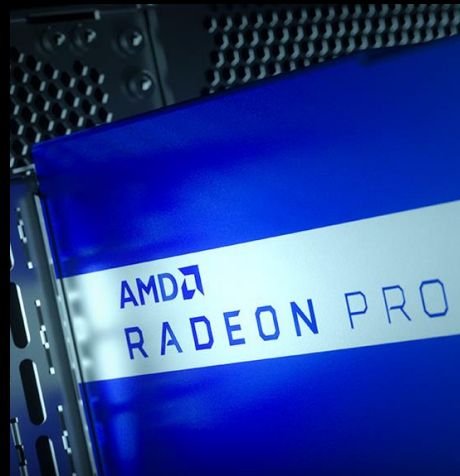
Source: AMD internal research



Gaming Desktops



Gaming Laptops



Workstations

AMD GRAPHICS EVERYWHERE



Game Consoles



Automotive



Smartphones



Handheld Gaming



Cloud Gaming

AMD GAMING LEADERSHIP





GAMING IS THE FASTEST GROWING FORM OF ENTERTAINMENT



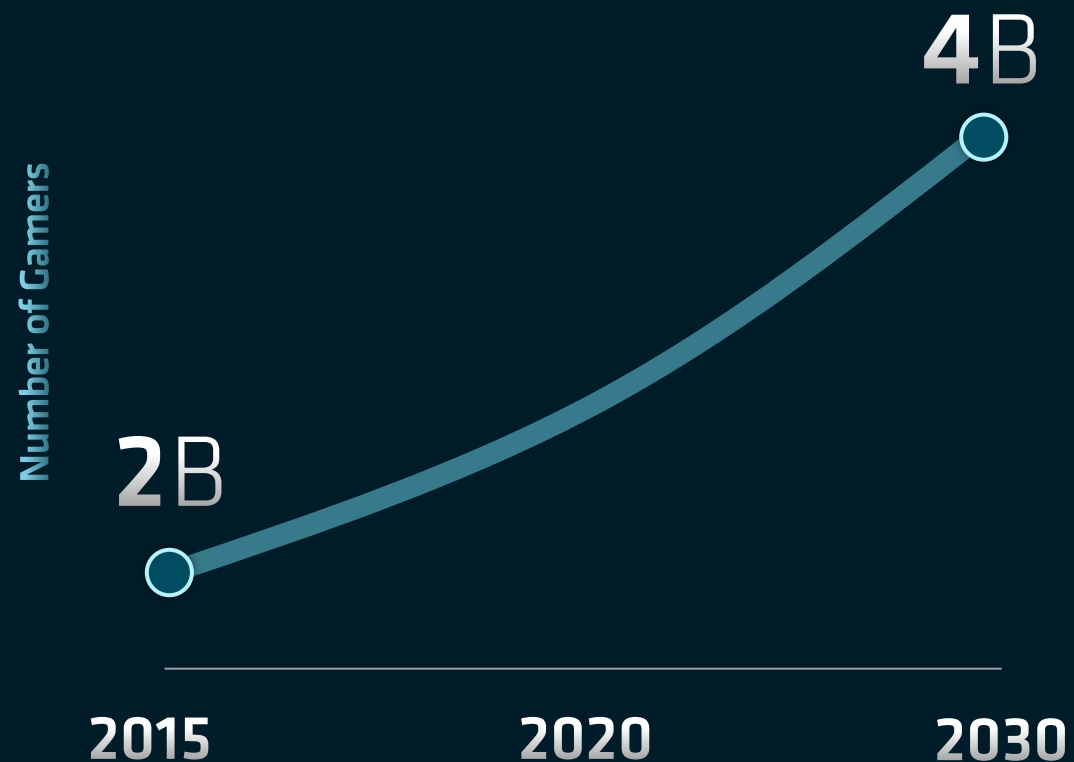
>3B GAMERS
WORLDWIDE

~70% cross-platform players



57% GAME ON PC
AND CONSOLE

~\$176B spent on games in
2021



DELIVERING INCREDIBLE GAMING EXPERIENCES

\$37B
SILICON TAM

Growing Market

AMD
RDNA™

**Established RDNA™
Architecture**



**Complete Radeon™
Product Line-Up**



Console Leadership

AMD RADEON™ GRAPHICS

DELIVERING PRODUCT LEADERSHIP

- Top-to-bottom product stack with focus on premium segments
- Strong partnership with ISVs to deliver world-class software solutions
- Projected performance-per-watt leadership
- AMD Advantage™ solutions deliver unique, state-of-the-art, market-leading solutions



AMD RADEON™ RX 6000 SERIES

Growing family of powerful
and efficient gaming GPUs



22+ Models Offered



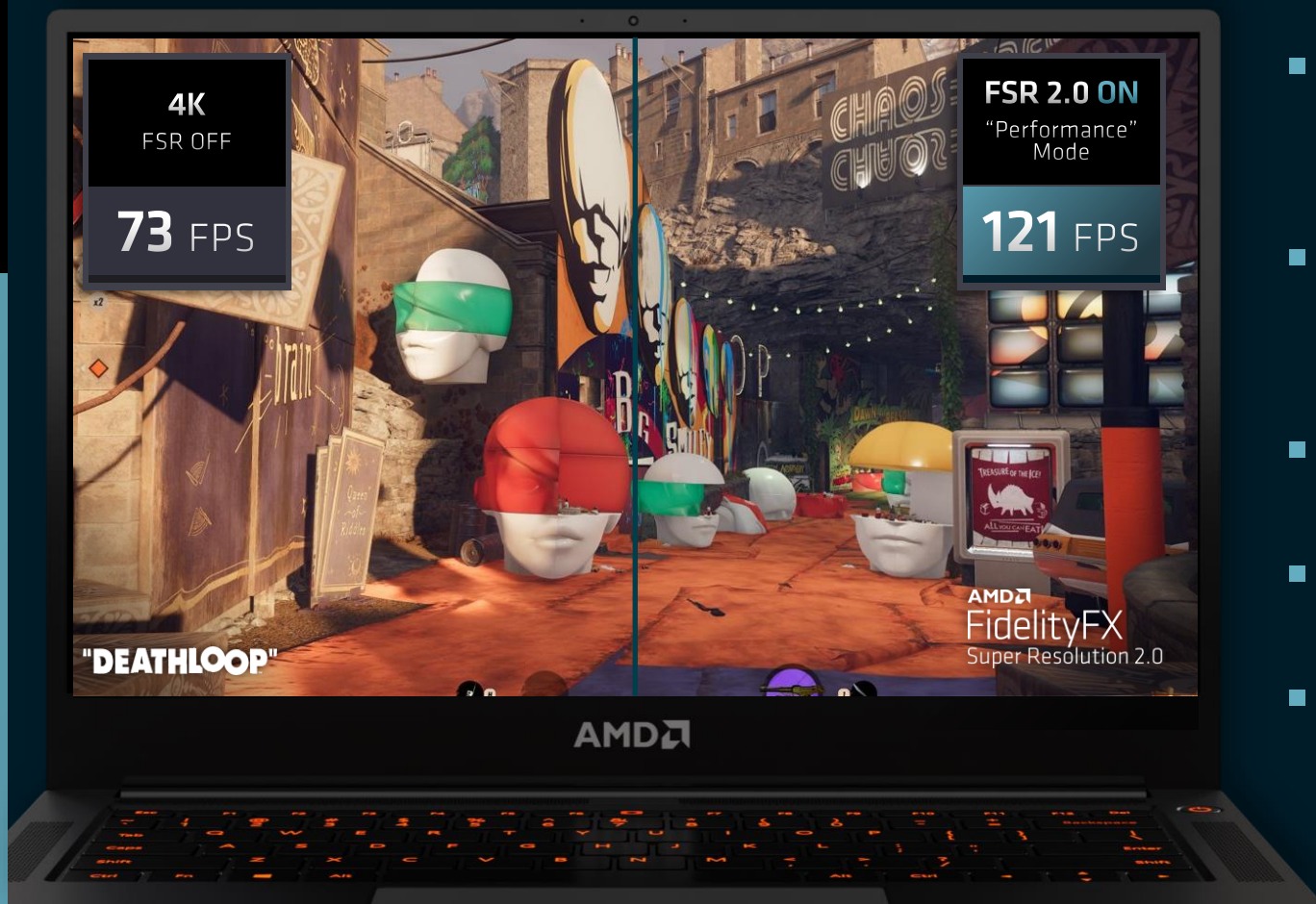
300+ SI, AIB and OEM Solutions



3X Notebook Designs



AMD FIDELITYFX™ SUPER RESOLUTION TECHNOLOGY



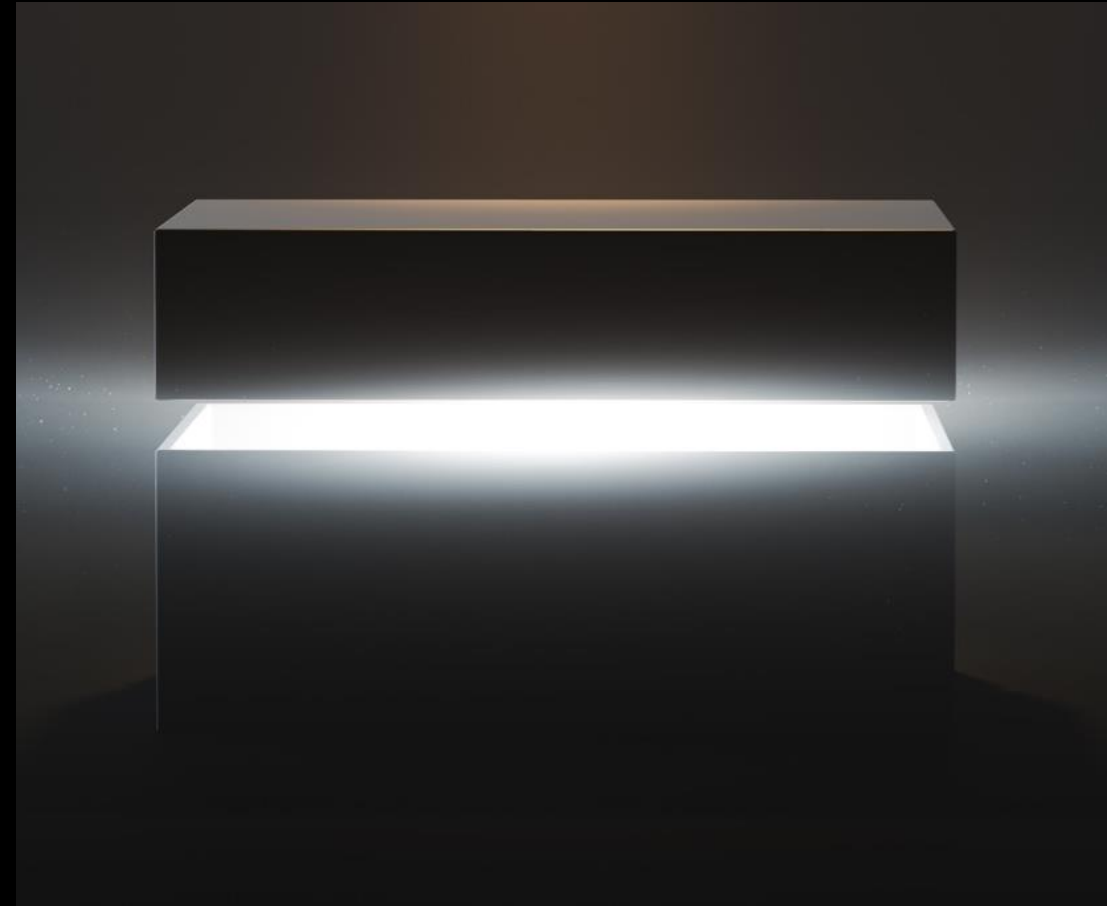
- Only cross-platform, open-source upscaling solution
- FSR 1.0 delivers up to 2.5X performance over native 4K resolution across select titles
- FSR 2.0 launched on May 12
- Near native quality with higher FPS
- 100+ game titles

Endnotes: RS-430

AMD “NAVI 3” GRAPHICS AT THE FOREFRONT OF GRAPHICS INNOVATION

- Industry-leading performance-per-watt
- Advanced packaging technologies
- System level efficiency
- Advanced multimedia capabilities

See endnote RX-785



RDNA™ 3
GPU Core

Chiplet
Architecture

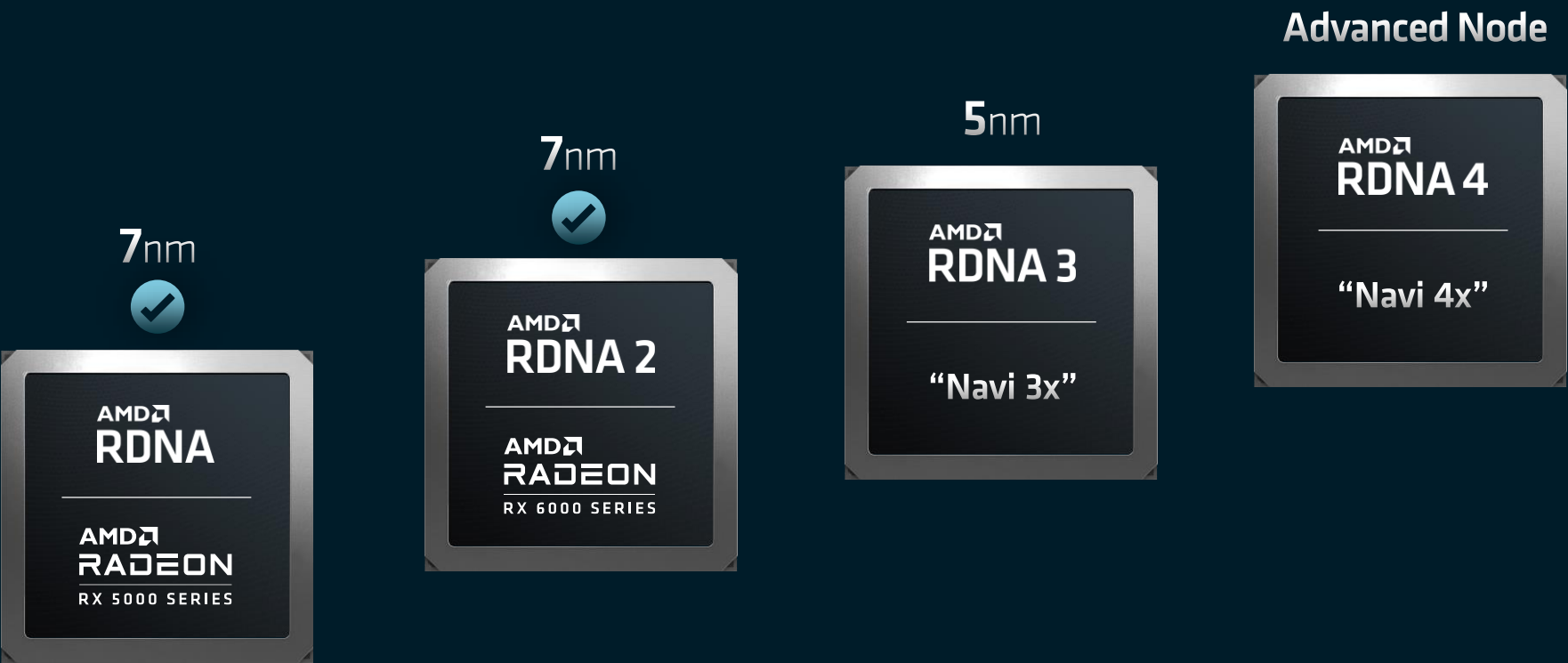
5nm
Technology

Coming later this year



AMD GAMING GPU ROADMAP

SUSTAINED PERFORMANCE LEADERSHIP



2019

2024

All roadmaps are subject to change.



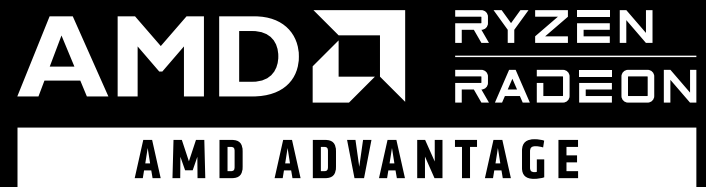
THE POWER OF RYZEN™ CPU + RADEON™ GPU TOGETHER



12 SYSTEMS
in 2020

33 SYSTEMS
in 2021

50+ SYSTEMS
Expected in 2022



AMD
RYZEN



AMD
RADEON



AMD
Software
Adrenalin Edition



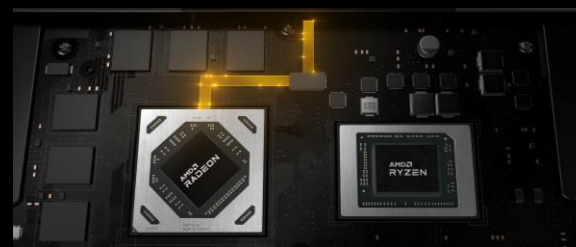
AMD
SmartShift
Max

Up to **2X**
More Boost



AMD
SmartShift
Eco

Up to **2X**
Projected Gaming
Time on Battery



AMD
SmartAccess
Graphics

Up to **29%**
More Game Performance
In Doom Eternal



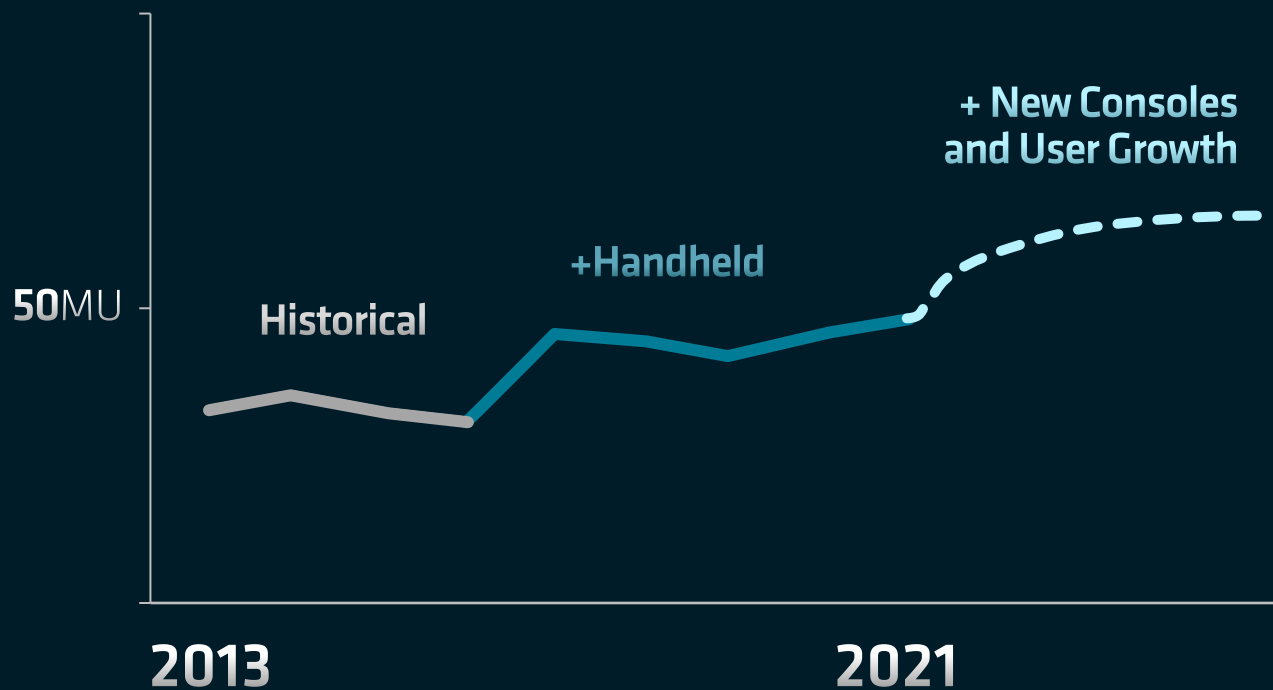
AMD
SmartAccess
Memory

Up to **30%**
More Game Performance
In Assassin's Creed Valhalla



GAME CONSOLES ARE GROWING & EVOLVING

Annual Console Sales



Source: AMD Internal Analysis

- Number of U.S. gamers, total time spent gaming and total spend are increasing
- Expanding demand driven by significant growth in female and 45+ age gamers
- Gaming communities are fast growing, driven by multi-player and online play
- Strong handheld gaming growth driven by on-the-go demand

BUILDING THE BEST CUSTOM SILICON



#1 Market Share



Microsoft
Xbox Series X | S



SONY
PlayStation 5



VALVE
Steam Deck



Increasing Silicon Content



4K Immersive Experiences



Fast Load Times



Backward Compatibility



Strong Partnerships

Deep hardware and software
co-engineering

Innovative end user experiences

Broadened gaming ecosystem

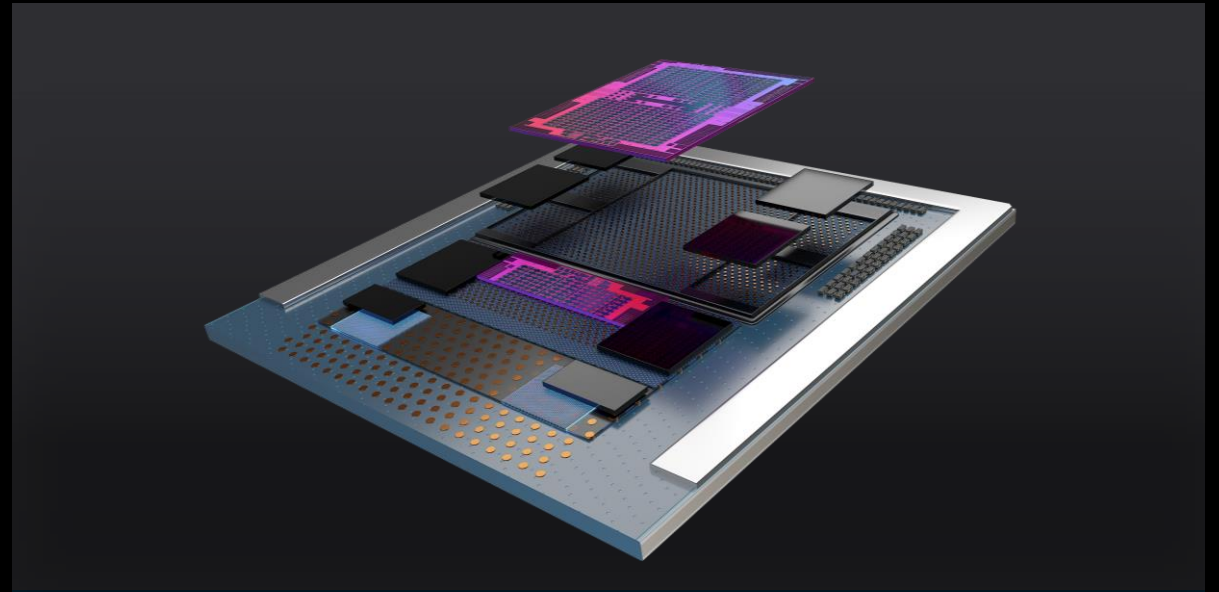
NEW MARKET GROWTH



NEW GROWTH OPPORTUNITIES



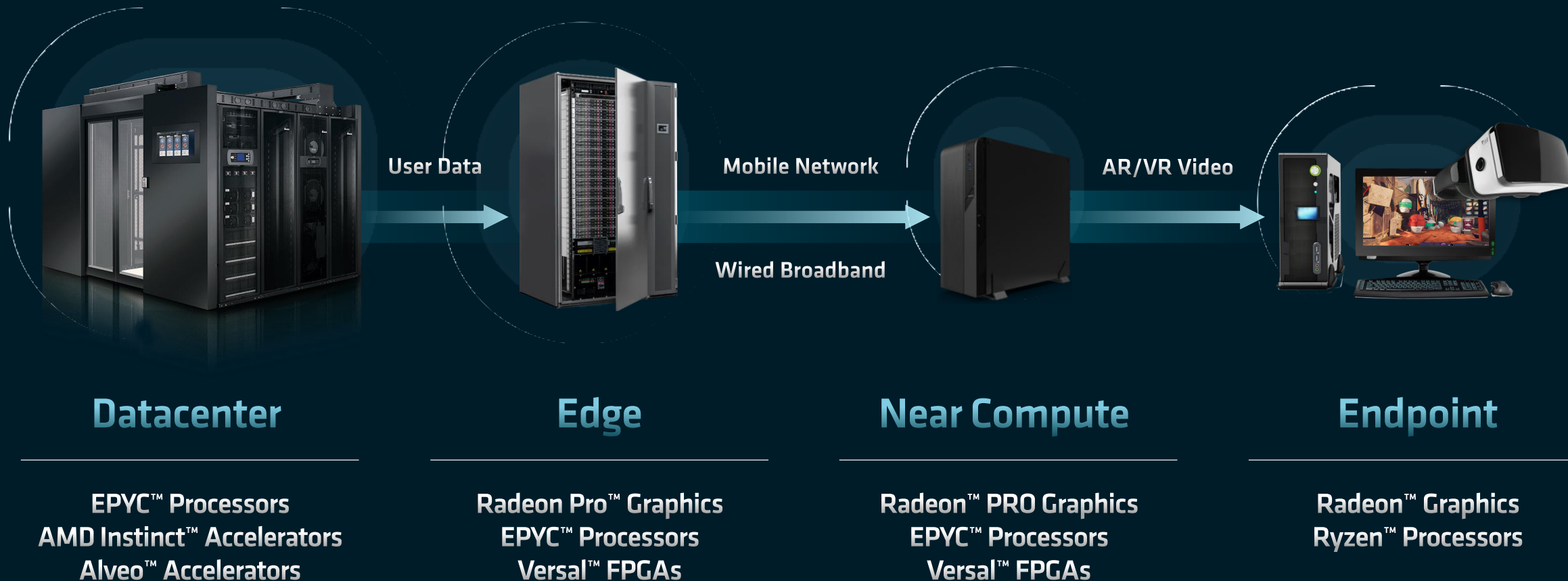
Metaverse Growth Opportunity



Custom Silicon Leadership



METaverse OPPORTUNITIES



AMD ACCELERATES THE METAVERSE



AMD
EPYC

ONEG

Expanding 3D Creation
Beyond Movies



AMD
RYZEN
THREADRIPPER



Accelerating 3D Creation
Beyond Games



AMD
EPYC

AMD
RADEON
PRO



CLOUD GAMING

AMD Custom Silicon

Powering Cloud
Gaming Infrastructure



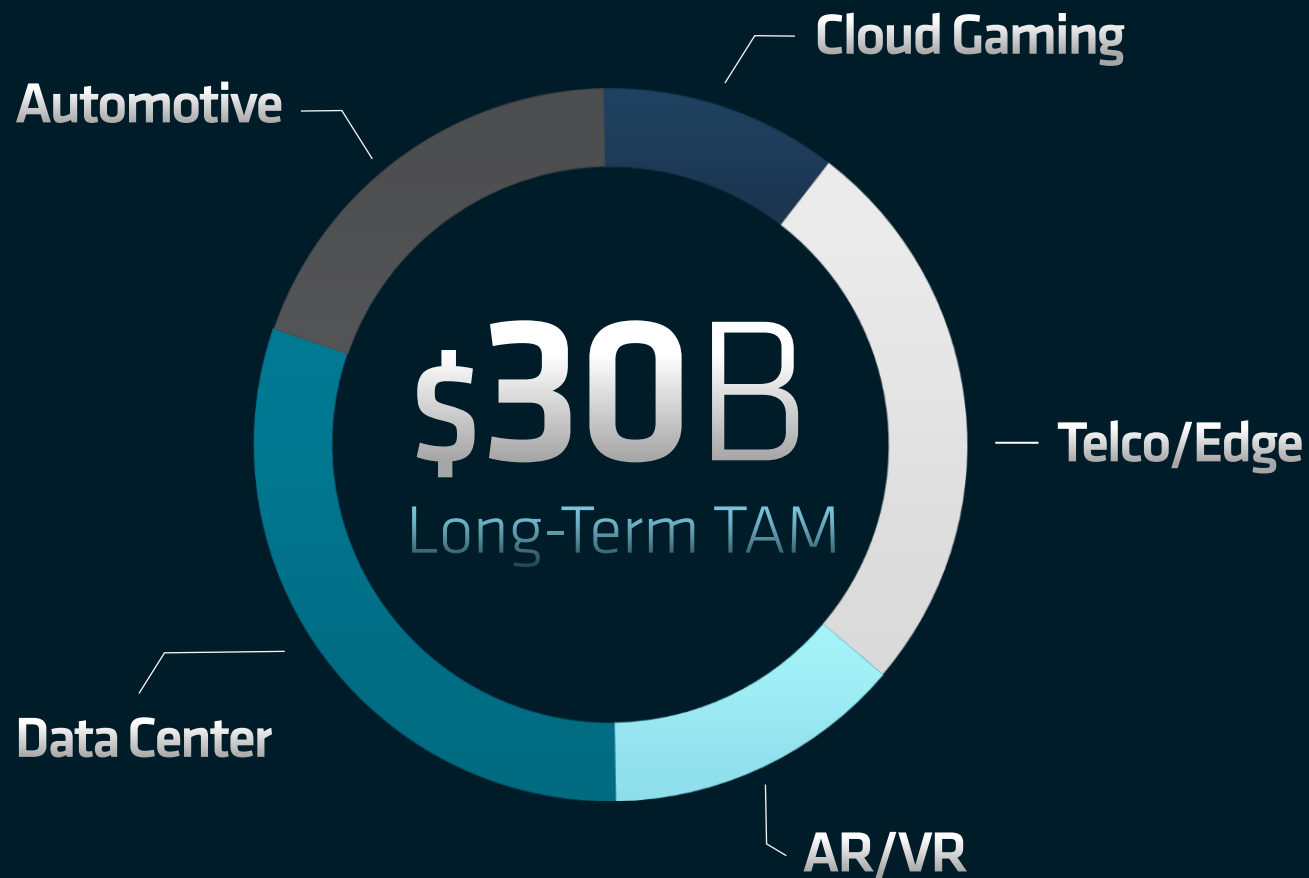
Magic Leap

AMD Custom Silicon

Interacting Within
Metaverse

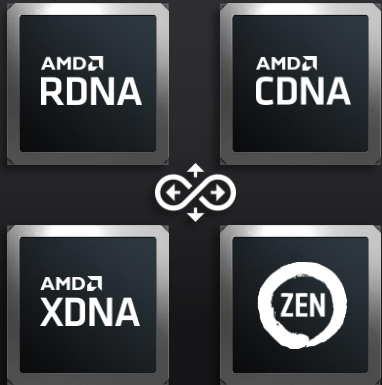


UNLOCKING THE FULL POTENTIAL OF CUSTOM SILICON



- Extend proven custom silicon, co-engineering model into new markets
- Leverage multi-generational chiplet experience
- Continue to build deep & long-term partnerships with market makers
- 200+ million custom solutions shipped

EXPANDING OUR CUSTOM SILICON & SOLUTIONS

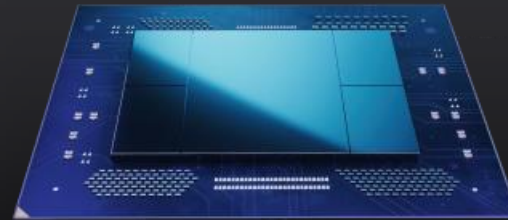


Unmatched
IP Portfolio

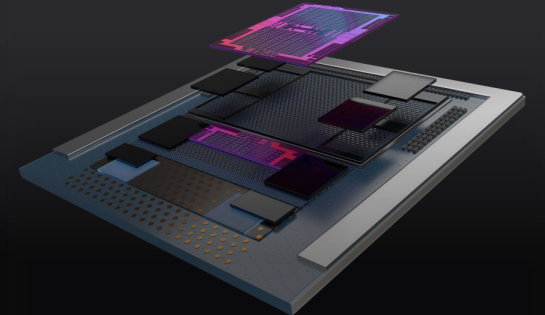


arm synopsys cadence

Customer and 3rd Party
IP Integration



High-Performance
SoC Design



Custom-Ready
Chiplet Platform

OUR PATH FORWARD

HUGE GROWTH OPPORTUNITY

- Insatiable demand for graphics
- Leadership products today
- Next generation graphics coming
- Expanded market opportunity in custom silicon and metaverse



ENDNOTES

GD-18

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RM-040

Testing done by AMD performance labs December 10, 2021, comparing the performance of a system configured with a Radeon™ 6850M XT GPU and a Ryzen™ 6900H Series processor with SmartShift Max enabled vs a similarly configured system with a Ryzen™ 5900H Series processor and SmartShift enabled. Games tested: Control (High); Godfall (Ultra); Shadow of the Tomb Raider (Medium); Strange Brigade (Ultra); Tom Clancy's The Division 1 (Ultra). Performance will vary. RM-40.

RM-041

Engineering projections are not a guarantee of final performance. Performance projection by AMD engineering staff based on AMD DC power guidelines on a system configured with Radeon™ RX 6850M XT mobile GPU. Projection is subject to change when final product is released in market. RM-041

RM-045

Testing done by AMD performance labs 7/20/2021 with a reference laptop design with AMD Ryzen 7 5800XH, Radeon RX 6600M with Smart Access Memory enabled, 32GB DDR4-3200MHz, Win10 Pro x64 19042.985 and AMD Driver 21.10.01.21. Testing of "Hybrid Mode" vs. "Discrete Graphics Mode" showed an average uplift of 15% more performance across the following titles: Assassin's Creed Valhalla; Battlefield 5; Borderlands 3; Call of Duty: Black Ops Cold War; Cyberpunk 2077; DOOM Eternal; Horizon Zero Dawn; Red Dead Redemption 2; Fortnite; Valorant; World of Warcraft: Shadowlands. Performance may vary. RM-045

RM-062

Testing done by AMD performance labs, February 14, 2022, on Asus ROG Strix G513 (pre-production sample) equipped with Ryzen 9 5900HX, Radeon RX 6800M. Tested at 1080p with Smart Access Memory ON with driver 22.2.2 versus SAM OFF in driver 22.2.1 in the following game and settings: Assassin's Creed Valhalla, DX12, Ultra High Settings. Performance may vary. RM-062

ENDNOTES

RS-430

AMD Radeon™ RX 6000 Series graphics cards with AMD FidelityFX Super Resolution (FSR) “Performance” mode ON offer on average 2.5x better performance at 4K across select titles vs. FSR OFF. Testing by AMD Performance Labs as of July 22, 2021, on a test system configured with an AMD Ryzen™ 9 5900X CPU, AMD Radeon™ 6900 XT/6800 XT/6700 XT/6600 XT graphics cards, 16GB DDR4-3200 RAM, and Windows 10 Pro, with Smart Access Memory enabled and using FSR “Performance” mode vs. FSR off. Actual performance will vary. Games tested: Baldur's Gate 3 (“Ultra”); Black Desert Global Lab (“Epic”); Chernobylite (“Epic”); Deathloop™ (“Ultra”); Far Cry® 6 (“Ultra”); Gamedec (“Very High”) Grounded (“Epic”); Necromunda®: Hired Gun™ (“Epic”); Resident Evil™ Village (“Epic”); Vampire: The Masquerade - Bloodhunt (“Ultra”). Benchmark tests: Baldur's Gate 3, Vulkan®, 3840 x 2160, “Ultra” settings, FSR OFF/FSR “Performance” mode. Black Desert, DX11, 3840 x 2160, “Epic” settings, FSR OFF/FSR “Performance” mode. Vampire: The Masquerade – Bloodhunt, DX12, 3840 x 2160, “Ultra” settings, FSR OFF/FSR “Performance” mode. Chernobylite, DX11, 3840 x 2160, “Epic” settings, FSR OFF/FSR “Performance” mode. Deathloop™, DX12, 3840 x 2160, “Ultra” settings, FSR OFF/FSR “Performance” mode vs. the same system with FSR off. Far Cry® 6, DX12, 3840 x 2160, “Ultra” settings, FSR OFF/FSR “Performance” mode. Gamedec, DX12, 3840 x 2160, “Very High” settings, FSR OFF/FSR “Performance” mode. Grounded, DX12, 3840 x 2160, “Epic” settings, FSR OFF/FSR “Performance” mode. Necromunda®: Hired Gun™, DX12, 3840 x 2160, “Epic” settings, FSR OFF/FSR “Performance” mode. Resident Evil™ Village, DX12, 3840 x 2160, “Epic” Settings, FSR OFF/FSR “Performance” mode. RS-430.

RX-785

Testing done by AMD performance labs May 31, 2022, on (11) AMD Radeon™ RX 6000 Series graphics cards, using systems configured with Ryzen™ 9 5900X and Ryzen™ 5 5600X CPUs, each with 16GB DDR4-3600MHz and AMD Smart Access Memory enabled, Win 10 Pro versus similarly configured systems with (11) Nvidia GeForce RTX 3000 Series, GeForce GTX 1650 and GTX 1050 Ti GPUs, each with ReBAR enabled.

Performance tested across 20 games at 4K, 1440P and 1080P resolutions at MAX settings, and across 12 games at 1080P Medium settings for each one of the (22) AMD and NVIDIA GPUs.

Performance per watt and per die size calculated using the total board power (TBP) and die sizes of the (22) individual AMD and NVIDIA GPUs over the average FPS scores.

Performance may vary. RX-785.

Slide 16 (Building the Best Custom silicon)

#1 market share based on sales of Playstation and Xbox consoles. Source: IDC, Worldwide Home Video Game Console Market Shares, 2021: The Ninth-Generation Race Tightens, doc #US47709922, May 2022