FINANCIAL ANALYST DAY 2022

Building on Gaming Leadership

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INSATIABLE DEMAND FOR GRAPHICS COMPUTE

- Gaming
- Entertainment
- Creators
- Machine Learning
- Photorealistic Gaming
- Metaverse

Potential Metaverse Trajectory

Graphics Compute

Source: AMD internal research
AMD GRAPHICS EVERYWHERE

Gaming Desktops
Gaming Laptops
Workstations

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

Number of Gamers

2015 2020 2030

Source: Newzoo, Statista, AMD Research
DELIVERING INCREDIBLE GAMING EXPERIENCES

$37B SILICON TAM
Growing Market

Established RDNA™ Architecture

Complete Radeon™ Product Line-Up

Console Leadership

Source: AMD Estimates
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

See endnote RM-041
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

Coming later this year

See endnote RX-785
AMD GAMING GPU ROADMAP

SUSTAINED PERFORMANCE LEADERSHIP

2019

Advanced Node
AMD RDNA 4
“Navi 4x”

5nm
AMD RDNA 3
“Navi 3x”

7nm
AMD RDNA 2

7nm
AMD RDNA

All roadmaps are subject to change.
THE POWER OF RYZEN™ CPU + RADEON™ GPU TOGETHER

AMD RYZEN | RADEON

12 SYSTEMS in 2020

33 SYSTEMS in 2021

50+ SYSTEMS Expected in 2022
SmartShift Max
Up to 2X More Boost

SmartShift Eco
Up to 2X Projected Gaming Time on Battery

SmartAccess Graphics
Up to 29% More Game Performance
In Doom Eternal

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

See endnotes RM-040, RM-041, RM-045, RM-062
GAME CONSOLES ARE GROWING & EVOLVING

- 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

Annual Console Sales

50MU

Historical

+Handheld

+ New Consoles and User Growth

2013 2021

Source: AMD Internal Analysis
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

**Datacenter**
- EPYC™ Processors
- AMD Instinct™ Accelerators
- Alveo™ Accelerators

**Edge**
- Radeon Pro™ Graphics
- EPYC™ Processors
- Versal™ FPGAs

**Near Compute**
- Radeon™ PRO Graphics
- EPYC™ Processors
- Versal™ FPGAs

**Endpoint**
- Radeon™ Graphics
- Ryzen™ Processors
AMD ACCELERATES THE METAVERSE

Expanding 3D Creation Beyond Movies

Accelerating 3D Creation Beyond Games

Powering Cloud Gaming Infrastructure

Interacting Within Metaverse
UNLOCKING THE FULL POTENTIAL OF CUSTOM SILICON

$30B Long-Term TAM

- 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

Based on AMD Internal Data
EXPANDING OUR CUSTOM SILICON & SOLUTIONS

Unmatched IP Portfolio
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-040.

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
RS-430


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)