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EMBARGO: 2:30 P.M. TAIPEI TIME, MAY 23

The PC has **never** been more essential.

24%
PC unit growth last 2 years

349M
PCs shipped in 2021

>900M
PCs shipped in last 3 years

* AMD internal figures.

TODAY AT 2022 COMPUTEX TAIPEI

BUILDING THE BEST

New Leadership Notebook PCs

New AMD Advantage™ Gaming PCs

New Desktop CPU and Platform

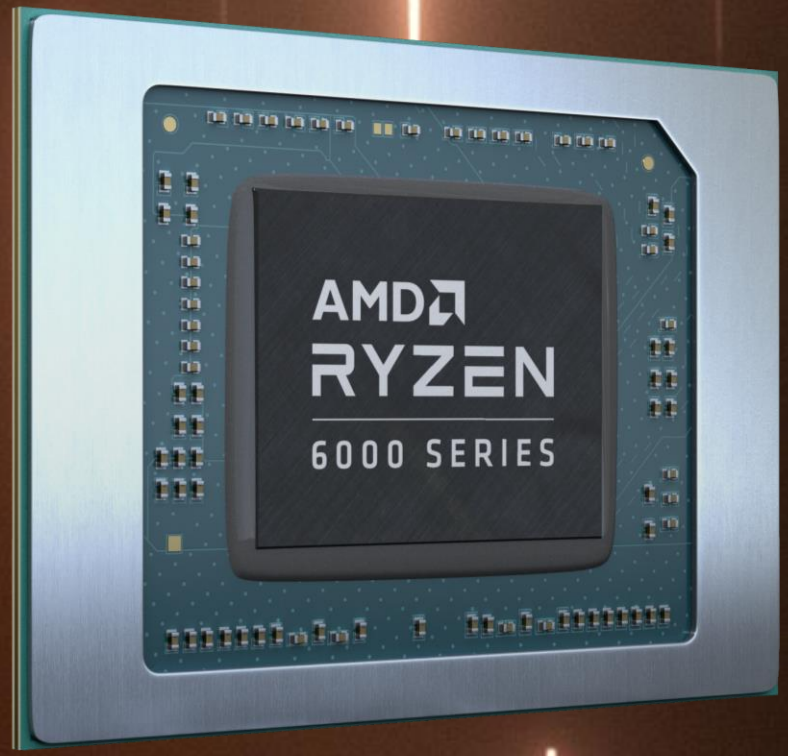
TODAY AT 2022 COMPUTEX TAIPEI

BUILDING THE BEST

New Leadership Notebook PCs

New AMD Advantage Gaming PCs

New Desktop CPU and Platform



LAUNCHED AT CES 2022

RYZEN™ 6000 MOBILE

Up to **5GHz**
Fastest AMD Ryzen™ Yet*

6nm
Technology

RDNA 2
Graphics Architecture

tom's HARDWARE BEST IN SHOW CES® 2022

HOT HARDWARE WWW.HOTHARDWARE.COM BEST OF CES 2022 HARDWARE INNOVATION AND EXCELLENCE

* See endnotes: GD-150.

REPUBLIC OF GAMERS

Zephyrus **G14**

"Nearly the perfect laptop"

Reviewed

"G14 is easily my favorite gaming laptop released in the last year"

IGN

"The 2022 ROG Zephyrus G14 is a great gaming laptop, delivering a potent blend of performance, portability and power efficiency"

tom's guide

TODAY AT 2022 COMPUTEX TAIPEI

BUILDING LEADERSHIP NOTEBOOKS

Ultrathin Notebooks

Ryzen™ PRO Commercial

Modern Mainstream

BUILDING LEADERSHIP NOTEBOOKS

RYZEN™ 6000 ULTRATHIN

up to 60 avg fps*

in just 2.2 lbs

ASUS Zenbook S 13

GODFALL

AMD FidelityFX Super Resolution

* See endnotes: RMB-74.

Ultrathin gaming made real.

1080P GAMING

Up to

122 FPS	CS:GO™
266 FPS	League of Legends™
59 FPS	Shadow of the Tomb Raider™
64 FPS	Final Fantasy™ XIV
46 FPS	Deus Ex: Mankind Divided™

* See endnotes: RMB-75.

Lenovo Yoga Slim 7 PRO X

BUILDING LEADERSHIP NOTEBOOKS

RYZEN™ PRO COMMERCIAL

The new **hybrid workforce**

Transformation in the way we work

over

2x

time spent in Microsoft Teams

73%

want remote options to stay

>4 yrs

average age of notebooks in use

* Microsoft Work Trend Index Report: https://www.microsoft.com/en-us/worklab/work-trend-index/hybrid-work

IDC2021 U.S. Commercial PCD Survey

[AMD Official Use Only]

AMD RYZEN™ 6000 PRO
COMMERCIAL NOTEBOOKS

INNOVATION PARTNERSHIP

Over 60 Commercial Notebooks
Launching in 2022

Lenovo
ThinkPad Z

Elitebook 865 G9

up to 17%

faster productivity and collaboration*

AMD Ryzen™ 7 PRO 6000 U-Series compared to Core i7-1260P

* See endnote RMP-31.

up to **45%** longer battery life for teams conferencing*

AMD Ryzen™ 7 PRO 6000 U-Series compared to Core i7-1260P

Lenovo
ThinkPad **Z**

* See endnote RMP-32.

Longest battery life
in commercial notebook

#1 MobileMark® 18 Battery Life

Up to 26 .1 hours*

Elitebook **865 G9**

* See endnote: RMP-33. #1 position as of 18 April, 2022 on https://results.bapco.com/results/benchmark/MobileMark_2018

BUILDING LEADERSHIP NOTEBOOKS

MODERN MAINSTREAM

Launching Q4 | “Mendocino”

Redefining the everyday laptop

6nm TSMC | **4C/8T** “Zen 2” | **RDNA 2** GPU

$399 to $699 mainstream notebooks

>10 hours mixed-usage battery life (Projected)

Lenovo
Ideapad 1

2022 Ryzen Notebooks

Expansion in Every PC Segment

over
60
Enterprise Commercial

over
50
High-Performance Gaming

over
90
Ultrathin Consumer

TODAY AT 2022 COMPUTEX TAIPEI

BUILDING THE BEST

New Leadership Notebook PCs

New AMD Advantage Gaming PCs

New Desktop CPU and Platform

AMD
RYZEN
RADEON
AMD ADVANTAGE

AMD ADVANTAGE™ LAPTOPS

AMPLIFIED PERFORMANCE
100FPS GAMING

PREMIUM DISPLAYS
144HZ+ REFRESH RATE

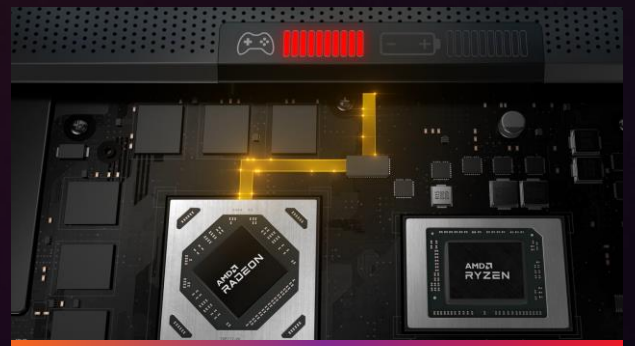
BUILT TO GAME
OVER 100 DESIGN DECISIONS

SMART TECHNOLOGIES

THE POWER OF AMD ADVANTAGE™ LAPTOPS

AMD SmartAccess Memory

AMD SmartShift Max

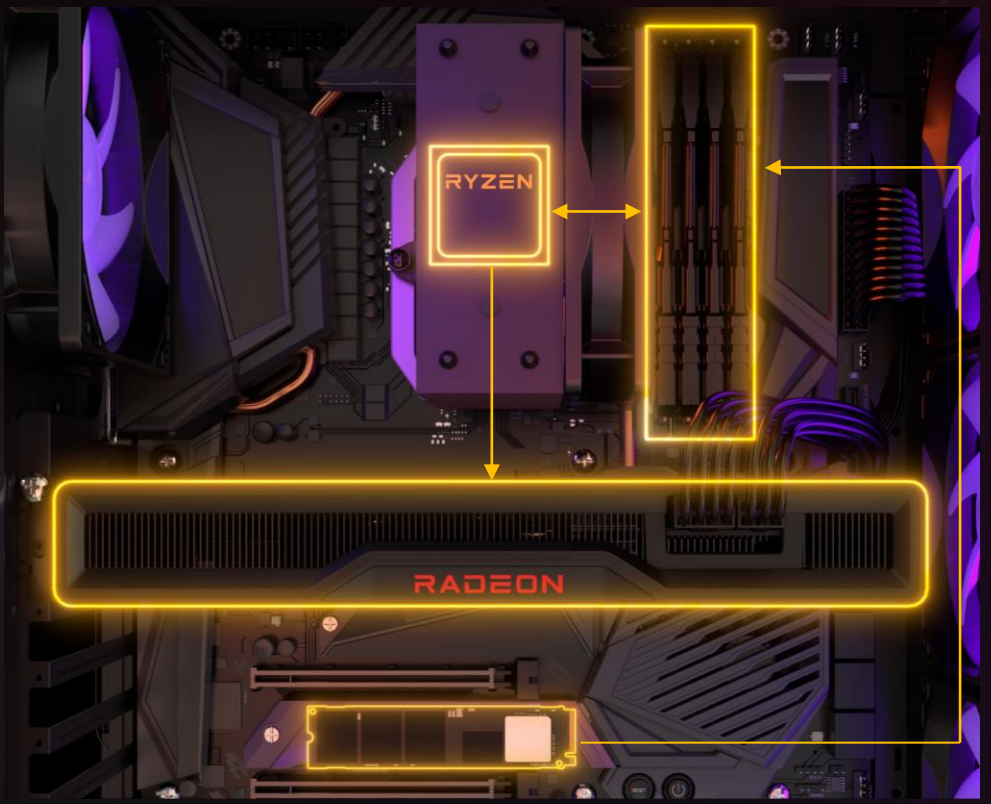


AMD SmartAccess Graphics

AMD SmartShift Eco

AMD RYZEN RADEON AMD ADVANTAGE

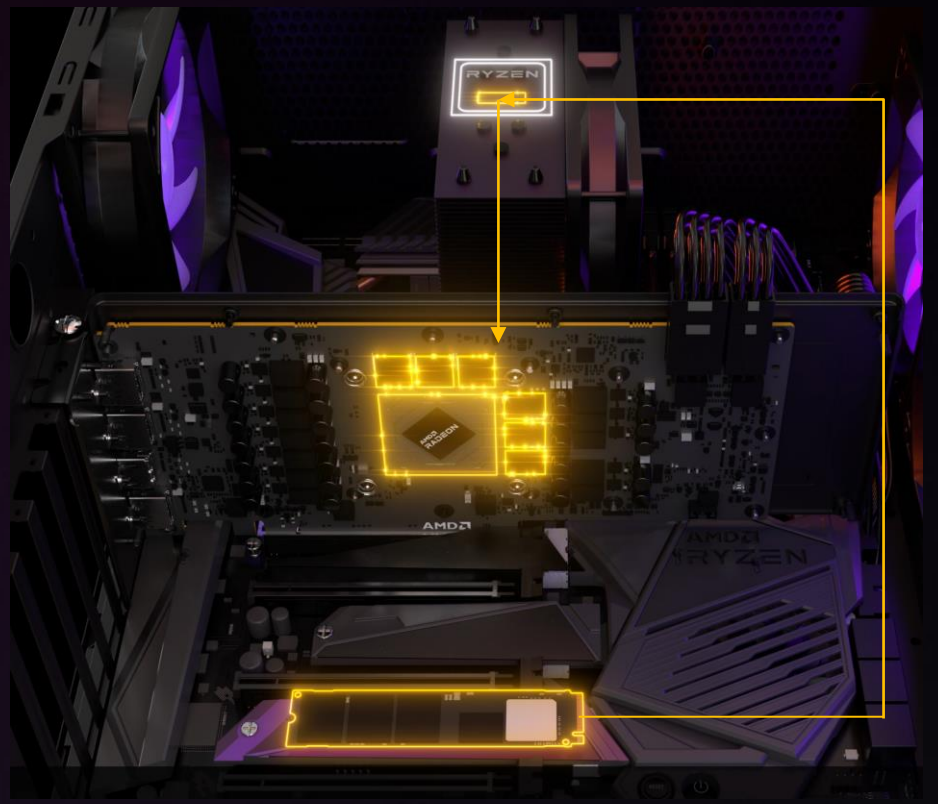
AMD SMARTACCESS STORAGE



DirectStorage Enabled Games

Adds AMD Platform Tech & GPU Decompression

Faster loading & Higher Fidelity Streaming



ROG ZEPHYRUS G14

THE MOST POWERFUL 14” AMD ADVANTAGE™ LAPTOP

“I'm heartily impressed with the G14's gaming performance overall... It's able to top the framerate of RTX 3080 and RTX 3070 mobile chips pretty much across the board.” – PC Gamer

AMD RYZEN RADEON
AMD ADVANTAGE

ALIENWARE M17 R5

THE MOST POWERFUL 17” AMD ADVANTAGE™ LAPTOP

DOLBY VISION

UHD 120Hz | FHD 360Hz

FEATURING

AMD SmartAccess Graphics

AMD RYZEN RADEON AMD ADVANTAGE

SEE ENDNOTE GD-198

LENOVO LEGION SLIM 7

THE THINNEST AMD ADVANTAGE™ LAPTOP AT 17MM

100 FPS GAMING

16” | 17MM | 100WHr

AMD RYZEN RADEON
AMD ADVANTAGE

SEE ENDNOTES RM-069, RM-070

LENOVO LEGION 7

16” AMD ADVANTAGE™ LAPTOP WITH FORCE SENSORS

FEATURING

W-A-S-D KEYS WITH

FORCE SENSORS

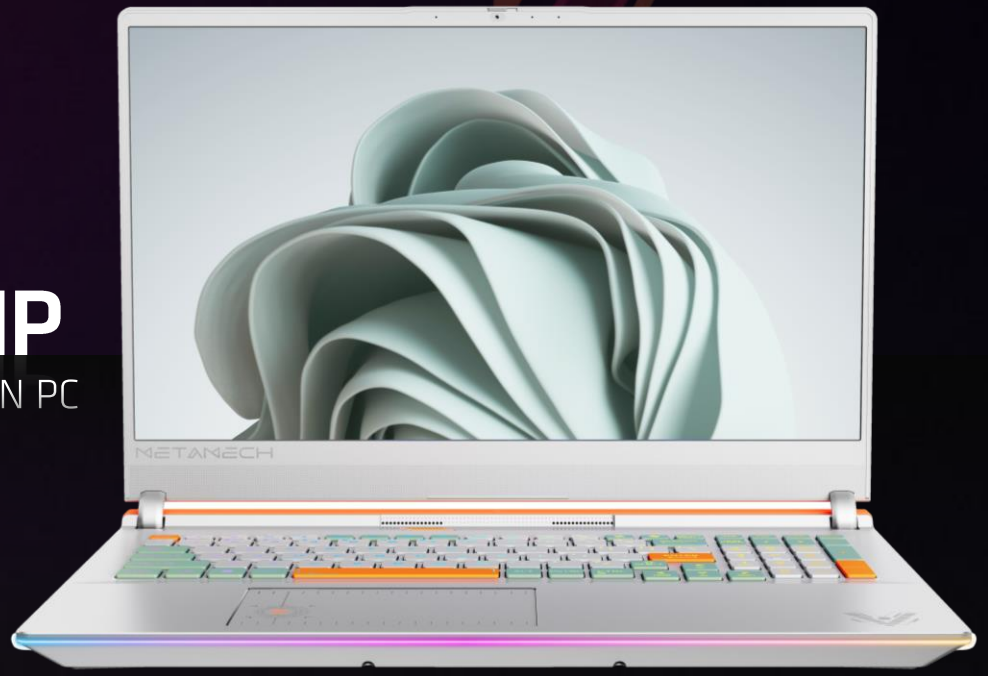
AMD RYZEN RADEON
AMD ADVANTAGE

EMDOOR AG958

THE FIRST AMD ADVANTAGE™ SYSTEM INTEGRATOR DESIGN

IN **PARTNERSHIP**

WITH METAMECHBOOK AND ORIGIN PC



AMD RYZEN RADEON
AMD ADVANTAGE

OMEN 16

THE FIRST AMD ADVANTAGE™ LAPTOP WITH SMARTSHIFT ECO TECHNOLOGY

UP TO

60% LONGER

GAMING TIME ON BATTERY IN LEAGUE OF LEGENDS

AMD RYZEN RADEON
AMD ADVANTAGE

SEE ENDNOTE RM-067

CORSAIR VOYAGER

THE FIRST LAPTOP FROM CORSAIR LAUNCHES WITH AMD ADVANTAGE™

FEATURING

FHD **STREAMING**-GRADE
WEBCAM

INTEGRATED **ELGATO**
STREAM DECK
SOFTWARE

AMD RYZEN RADEON
AMD ADVANTAGE

TODAY AT 2022 COMPUTEX TAIPEI

BUILDING THE BEST

New Leadership Notebook PCs

New AMD Advantage Gaming PCs

New Desktop CPU and Platform

AM4 Socket

1 socket

5 years and going strong

5 CPU architectures

4 process nodes

125+ processors

500+ motherboards

THE WORLD'S FASTEST GAMING CPU

RYZEN™ 7 5800X3D

"The King of PC Gaming"

HOTHARDWARE

"3D V-Cache Powers a New Gaming Champion"

tom's HARDWARE

"[...] the best desktop processor for gaming you can buy."

Reviewed

THE WORLD'S FASTEST GAMING CPU

RYZEN™ 7 5800X3D

Up to
+17% Final Fantasy™ XIV

Up to
+8% Shadow of the Tomb Raider™

Up to
+6% Far Cry® 6

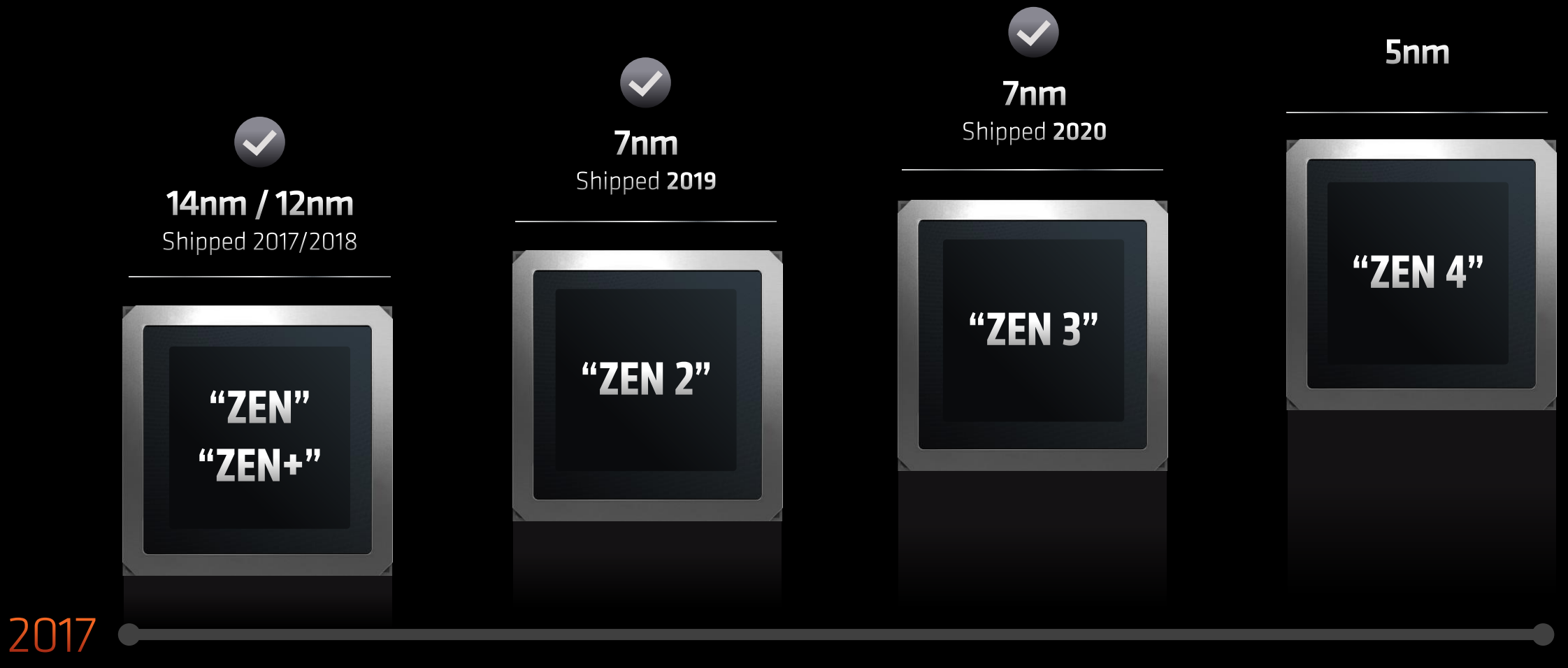
Up to
+1% Watch Dogs® Legion

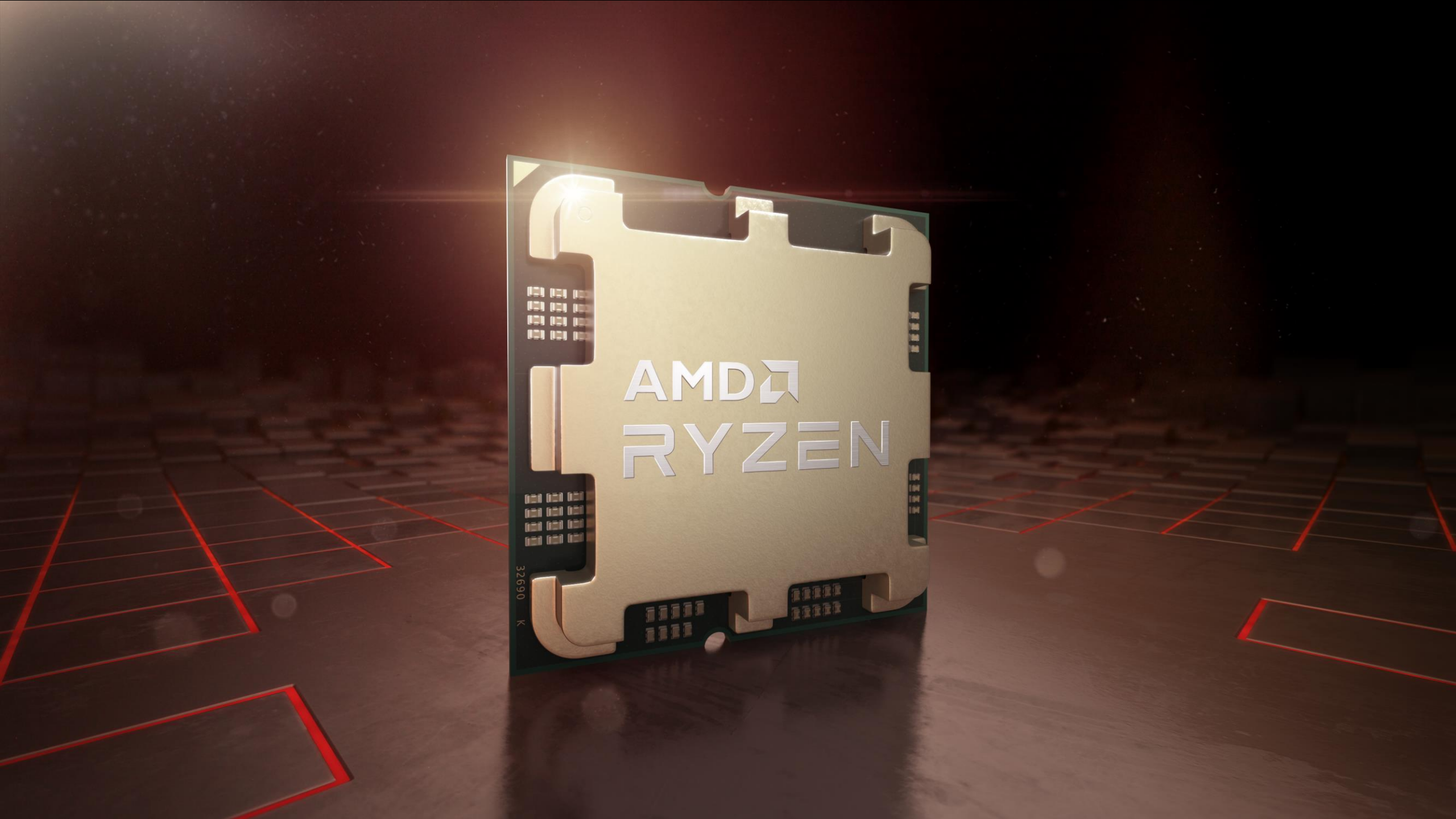
Up to
+5% Average

* See endnotes: R5K-107.

[AMD Official Use Only]

DESKTOP LEADERSHIP CONTINUES




AMD
RYZEN
32690 K

TODAY AT 2022 COMPUTEX TAIPEI

AMD RYZEN™ 7000 SERIES

"Zen 4" Core | 5nm technology | All new AM5 Platform

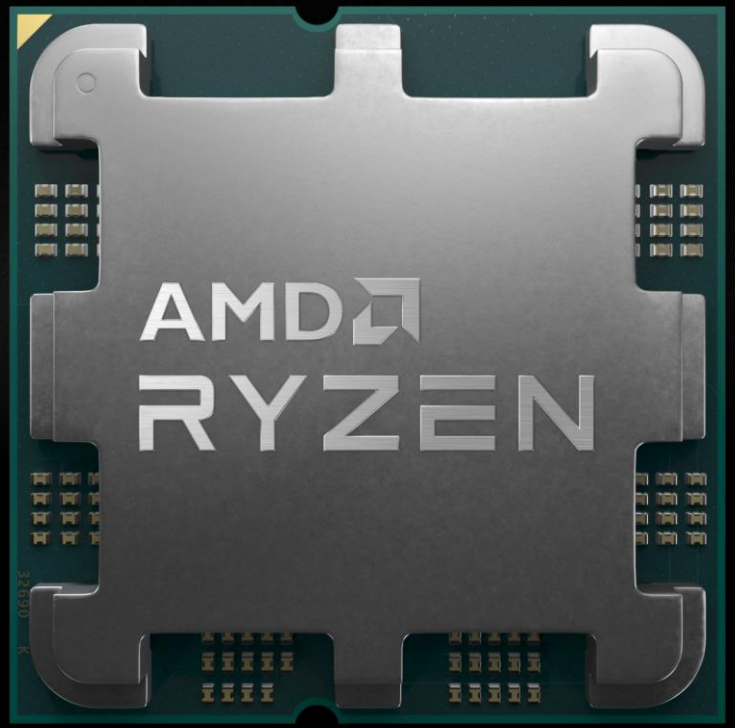
"ZEN 4" CORE ARCHITECTURE

2X 1MB Per Core L2 Cache

>15% Single-Thread Uplift[1]

5GHz+ Max Boost[2]

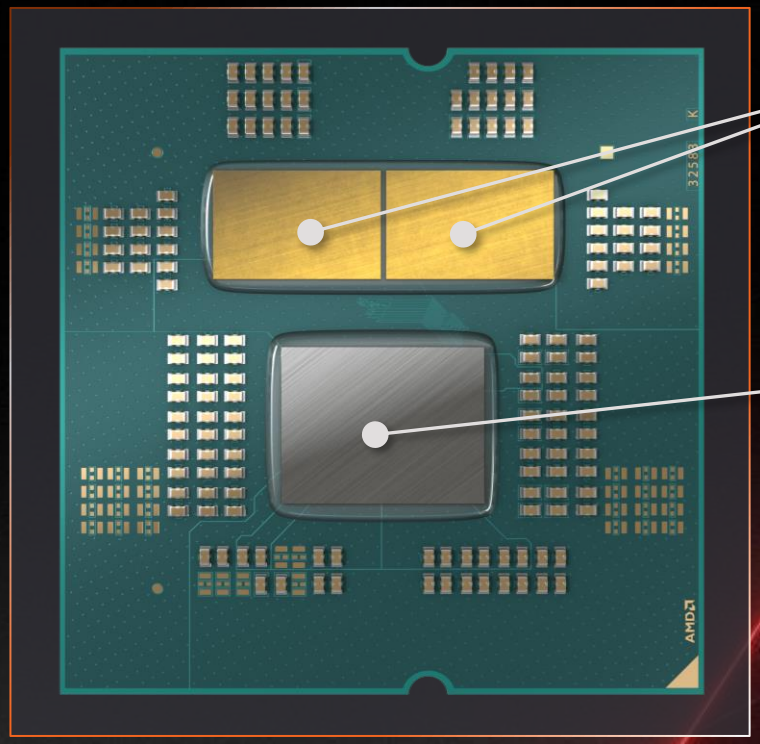
EXPANDED INSTRUCTIONS AI Acceleration



1. See endnote: RPL-001, 2. See endnotes: GD-150.

AMD

WORLD'S FIRST 5nm PC PROCESSOR CORES



"Zen 4" CPU core chiplets in **5nm**

All-new I/O Die in **6nm**

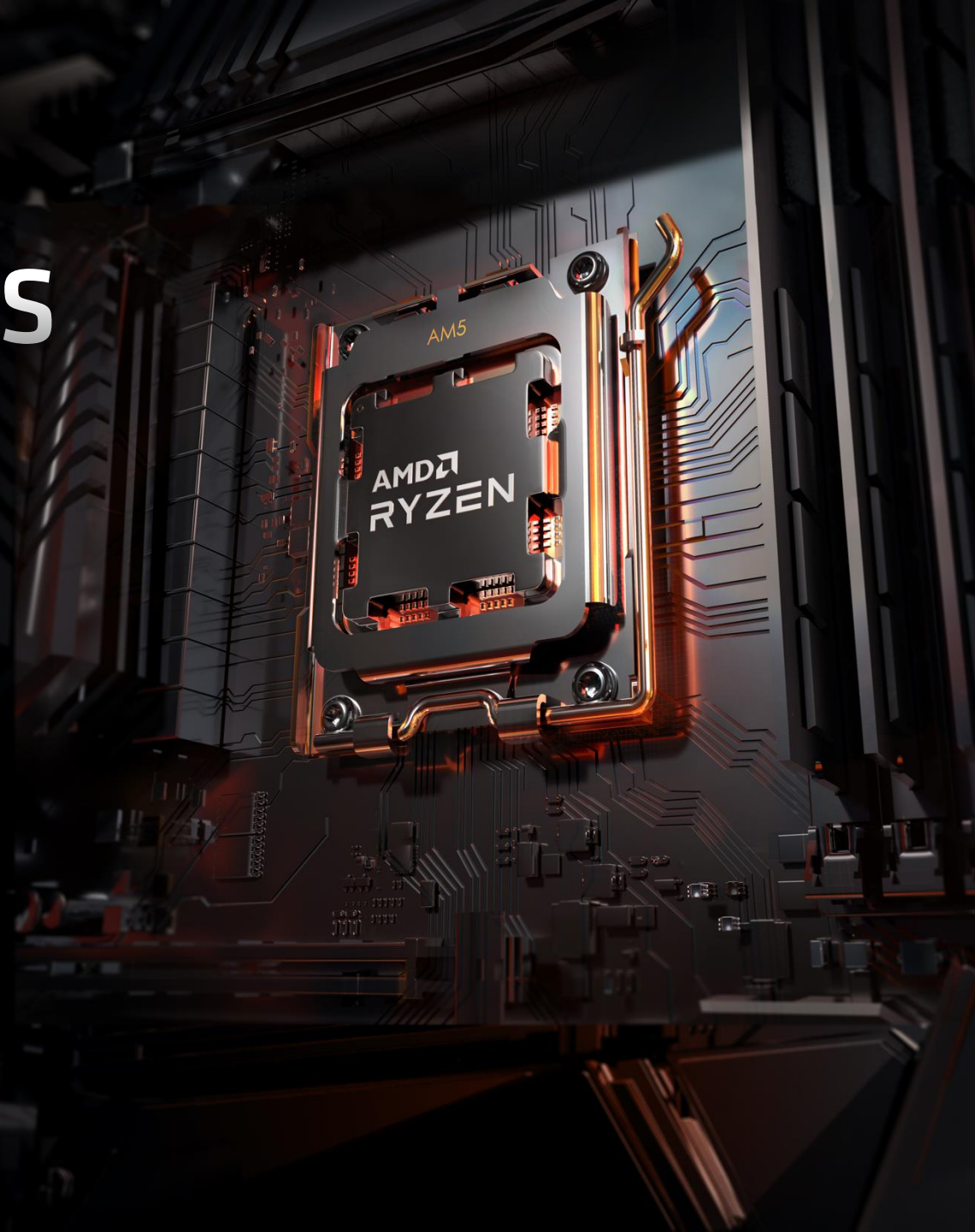
- Integrated AMD RDNA™ 2 graphics
- Advanced low-power architecture
- DDR5 and PCIe® 5.0 controllers

[AMD Official Use Only]

THE NEXT FRONTIER OF RYZEN™ MOTHERBOARDS

Socket AM5 Infrastructure

- 1718 pin LGA socket
- Native support for up to 170W
- DDR5 and PCIe® 5.0 Support
- Compatible with Socket AM4 coolers



[AMD Official Use Only]

SOCKET AM5 TOTAL PLATFORM I/O

Advanced Connectivity for Enthusiasts

24

PCIe® 5.0 lanes for storage and graphics

UP TO **14**

SuperSpeed USB with 20Gbps and Type-C™

6E

Wi-Fi® Support with DBS and BT LE 5.2

UP TO **4**

HDMI® 2.1 and DisplayPort™ 2 Ports

AMD

AM5 ECOSYSTEM SOLUTIONS

AMD SOCKET AM5 | **X670 EXTREME**

Unparalleled Capability
Extreme Overclocking
PCIe® 5.0 Everywhere

AMD SOCKET AM5 | **X670**

Enthusiast Overclocking
PCIe® 5.0 Storage and Graphics*

AMD SOCKET AM5 | **B650**

Mainstream price points
PCIe® 5.0 Storage

* See endnote: GD-106.

[AMD Official Use Only]

BUILDING THE PCIe® 5.0 ECOSYSTEM

WORLD'S FIRST GEN 5 NVMe DRIVES

crucial by Micron
PHISON
Micron
Apacer
ASUS
CORSAIR
影驰
GIGABYTE
msi
PNY
SABRENT
SEAGATE

AMD

[AMD Official Use Only]

BUILDING THE PCIe® 5.0 ECOSYSTEM

AND THE WORLD'S FASTEST NVMe DRIVES

Projected

>60% FASTER SEQ. READ SPEED

With PCIe® 5.0 storage on AMD Socket AM5

* See endnotes: RPL-002

AMD

[AMD Official Use Only]

FLAGSHIP AM5 MOTHERBOARDS

ASRock
X670E Taichi

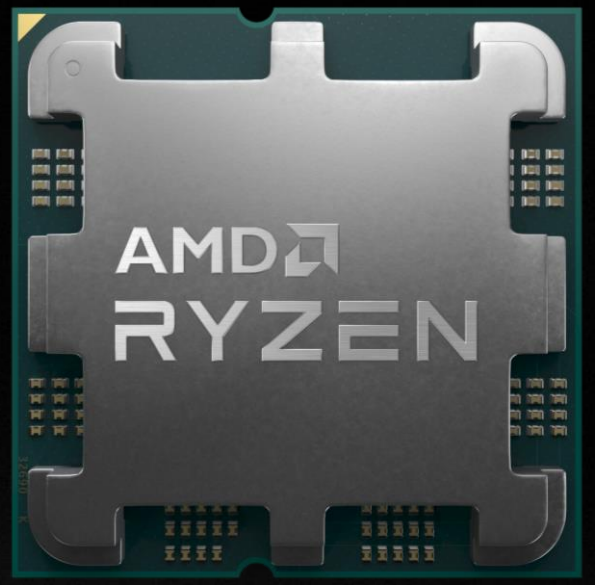
ASUS
ROG CROSSHAIR
X670E EXTREME

BIOSTAR
X670E
VALKYRIE

GIGABYTE
X670E AORUS
XTREME

msi
MEG X670E ACE

AMD



AMD RYZEN™ 7000 SERIES

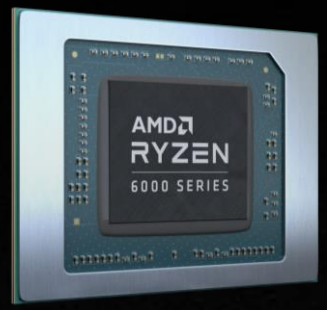
WORLD'S MOST ADVANCED GAMING PROCESSORS

"Zen 4" | 5nm | AM5 | PCIe® 5.0 | DDR5

Coming **Fall**

AMD

TODAY AT COMPUTEX 2022



AMD RYZEN™

6000 SERIES

72 Notebooks
Announced to Date

AMD RYZEN™

"MENDOCINO"

Q4 2022

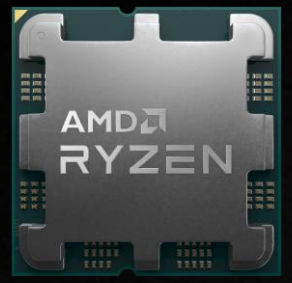
AMD ADVANTAGE™

GAMING PLATFORM

3X More Systems
Smart Access Storage

AMD

TODAY AT COMPUTEX 2022



AMD RYZEN™ 7000 SERIES

DESKTOP CPU

Fall 2022

AMD AM5

DESKTOP PLATFORM

Fall 2022

AMD

[AMD Official Use Only]

FOOTNOTES

- **GD-106:** Overclocking AMD processors, including without limitation, altering clock frequencies / multipliers or memory timing / voltage, to operate beyond their stock specifications will void any applicable AMD product warranty, even when such overclocking is enabled via AMD hardware and/or software. This may also void warranties offered by the system manufacturer or retailer. Users assume all risks and liabilities that may arise out of overclocking AMD processors, including, without limitation, failure of or damage to hardware, reduced system performance and/or data loss, corruption or vulnerability.
  GD-150: Max boost for AMD Ryzen processors is the maximum frequency achievable by a single core on the processor running a bursty single-threaded workload. Max boost will vary based on several factors, including, but not limited to: thermal paste; system cooling; motherboard design and BIOS; the latest AMD chipset driver; and the latest OS updates.
- **GD-190:** For additional information see www.amd.com/advantage
- **RMB-73:** Testing as of May 5, 2022, by AMD Performance Labs using an ASUS Zenbook S 13 OLED (Ryzen 7 6800U CPU, 32GB LPDDR5-6400, Samsung CL4-4D1024-Q79 NVMe 1TB, 21.40 graphics driver, Windows 11 build 22000.652, BIOS 306) versus MSI Summit E13 Flip Evo (Intel Core i7-1260P, 2x8 LPDDR5-6400, 30.0.101.1369, Micron MTFDKBA512TFH NVMe 512GB, Windows 11 build 22000.596, BIOS 106). 3D graphics performance tested with 3DMark® TimeSpy, 3D Rendering performance tested with Cinebench R23 nT, Office productivity performance tested with PCMark® 10. Results may vary.
- **RMB-74:** Testing as of May 5, 2022, by AMD Performance Labs using ASUS Zenbook S 13 OLED (Ryzen 7 6800U CPU, 32GB LPDDR5-6400, Samsung CL4-4D1024-Q79 NVMe 1TB, 21.40 graphics driver, Windows 11 build 22000.652, BIOS 306). Godfall tested at 1920x1080 with low image quality preset, FidelityFX Super Resolution set to "Quality" mode, and DirectX® 12 enabled. The stated framerate is an average FPS score. Results may vary.
- **RMB-75:** Testing as of May 5, 2022, by AMD Performance Labs using a Lenovo Yoga Slim 7 Pro X (Ryzen 7 6800HS, Radeon 680M integrated RDNA 2 graphics core, graphics driver 21.40, 2x8 DDR5-6400, 512GB NVMe SSD, Windows 11 build 22000.593). All games tested with 1920x1080 with low image quality preset, all framerates are average FPS. Results may vary.
- **RMP-31:** Based on testing by AMD as of 4/1/22. Productivity performance evaluated with simultaneous operation of nine-participant Microsoft Teams video conferences using the UL Procyon Office Productivity benchmark. System configuration for Intel® Core™ i7-1260P CPU/GPU performance: Lenovo ThinkPad X1 Carbon, Intel Iris Xe Graphics, 2X8 GBytes RAM (LPDDR5-5500), 1TB SSD, BIOS version N3AET45W (1.10), Windows 11 Pro. System configuration for Ryzen™ 7 PRO 6860Z: Lenovo ThinkPad Z13, 2x16GB LPDDR5-6400, Windows 11 Pro, 1TB SSD, AMD Radeon 680M graphics, GPU driver 30.0, BIOS N3GET12WE (0.12). Performance may vary.
- **RMP-32:** Based on testing by AMD as of 4/1/22. Battery life evaluated in hours using a nine-participant Microsoft Teams video conference with camera on, 200 nit brightness, slider position AC#2 (Balanced), with 95% utilization. Battery life results normalized for battery capacity differences. System configuration for Intel® Core™ i7-1260P CPU/GPU performance: Lenovo ThinkPad X1 Carbon, 57 watt hour battery, Intel Iris Xe Graphics, 2X8 GB RAM (LPDDR5-5500), 1TB SSD, BIOS version N3AET45W (1.10), Windows 11 Pro. System configuration for Ryzen™ 7 PRO 6860Z: Lenovo ThinkPad Z13, 50 watt hour battery, 2x16GB LPDDR5-6400, Windows 11 Pro, 1TB SSD, AMD Radeon 680M graphics, GPU driver 30.0, BIOS N3GET12WE (0.12). Actual battery life will vary based on several factors, including, but not limited to: product configuration and usage, software, operating conditions, wireless functionality, power management settings, screen brightness, and other factors. The maximum capacity of the battery will naturally decrease with time and use.
- **RMP-33:** All battery life claims are approximate. Battery life tested by HP as of 4.7.22, using the Bapco MobileMark 18 benchmark test on an HP Elitebook 865 G9 laptop configured with a 76WHr battery, Ryzen PRO 6850U processor with Radeon graphics, 256GB HDD, 8GB memory, Win 10 Pro, video resolution of 1920 x 1200 x 60 Hz and the power slider set to “better battery.” Actual battery life will vary based on several factors, including, but not limited to: product configuration and usage, software, operating conditions, wireless functionality, power management settings, screen brightness and other factors. The maximum capacity of the battery will naturally decrease with time and use. AMD has not independently tested or verified the battery life claim. For more information about HP’s published battery life testing and the MobileMark 18 benchmark test, see https://results.bapco.com/fdr/63601890f0f14ab5c99c634be6721d95.
- **R5K-107:** Based on testing by AMD as of 12/14/2021. Performance evaluated with Watch Dogs Legion, Far Cry 6, Gears 5, Final Fantasy XIV, Shadow of the Tomb Raider and CS:GO. All games test at 1920x1080p resolution with the HIGH in-game quality preset (or equivalent). System configuration: Ryzen 7 5800X3D and AMD Reference Motherboard with 2x8GB DDR4-3600. Core i9-12900K and ROG Maximus Z690 Hero motherboard with BIOS 0702 and 2x16GB DDR5-5200. Both systems configured with GeForce RTX 3080 on driver 472.12, Samsung 980 Pro 1TB, NZXT Kraken X62, Windows 11 28000.282.
- **RPL-001:** Testing as of May 5, 2022, by AMD Performance Labs. Single-thread performance evaluated with Cinebench R23 1T. AMD Ryzen 9 5950X System: ASUS ROG Crosshair VIII Hero X570, 2x8 DDR4-3600C16. AMD Ryzen 7000 Series: AMD Reference X670 Motherboard, 16-core pre-production processor sample, 2x16GB DDR5-6000CL30. All systems configured with Radeon™ RX 6950XT GPU (driver: 22.10 Prime), Windows 11 Build 22000.593, Samsung 980 Pro 1TB SSD, Asetek 280MM liquid cooler. Results may vary.

[AMD Official Use Only]

FOOTNOTES

- **RPL-002:** Testing as of May 5, 2022, by AMD Performance Labs using pre-production silicon and performance projections for final products which are subject to change when released in market. Sequential/sustained disk throughput measured with CrystalDiskMark. AMD Ryzen 7000 Series: AMD Reference X670 Motherboard, 16-core AMD Ryzen 7000 Series pre-production sample, 2x16GB DDR5-6000CL30, PCIe® Gen 5 prototype SSD versus Phison E18+ PCIe® Gen 4 SSD, Radeon RX 6950XT (driver: 22.10 Prime), Windows 11 Build 22000.593, Asetek 280MM liquid cooler. Results may vary and/or are subject to change as the storage ecosystem develops and final products are available.
- **RPL-003:** Testing as of May 5, 2022, by AMD Performance Labs using pre-production silicon and performance projections for final products which are subject to change when released in market. Render time measured in seconds to complete an AMD Ryzen 7000 Series processor wallpaper render. AMD time: 204 seconds, Intel time: 297 seconds. Lower score is better. Core i9-12900K System: ASUS ROG Maximus Z690 Hero, 2x16 DDR5-6000CL30. AMD Ryzen 7000 Series (pre-production 16 core): AMD Reference X670 Motherboard, 2x16GB DDR5-6400CL32. All systems configured with Radeon™ RX 6950XT (driver: 22.10 Prime), Windows® 11 Build 22000.593, Samsung 980 Pro 1TB, Asetek 280MM liquid cooler. Results may vary.
- **RM-069:** Based on AMD internal analysis as of May 10, 2022, comparing the z-heights of the following AMD Advantage™ laptops as reported by the respective manufacturers' websites: 2022 Lenovo Legion Slim 7, 2022 Lenovo Legion 7, 2022 ROG Zephyrus G14 (w/o AnimeMatrix), 2022 ROG Zephyrus G14 (with AnimeMatrix), 2021 ROG Strix G15, 2021 Omen 16, 2021 Lenovo Legion 5, 2021 MSI Delta, 2021 MSI Alpha. RM-069
- **RM-070:** Testing done by AMD performance labs, May 10, 2022, on Lenovo Legion Slim 7 equipped with Ryzen 7 6800H CPU, Radeon RX 6800S GPU VBIOS BRT92798.001, SBIOS KFCN15WW 4/2/2022, 24GB DDR5 memory, Win 11. Tested at 1080p on the following games and settings: Battlefield 5 @ DX12 Ultra, Death Stranding @ DX12 Very High, DEATHLOOP @ DX12 Ultra, DOOM Eternal @ Vulkan Ultra Nightmare, Far Cry 6 @ DX12 Ultra, Hitman 3 @ DX12 Ultra, DOTA 2 Reborn @ DX11 Ultra, Player Unknown's Battlegrounds @ DX12 Ultra. Laptop manufacturers may vary configurations, yielding different results. Performance may vary. RM-070
- **GD-198:** SmartAccess Graphics technology enablement requires select laptops configured with a UHD resolution display, AMD Radeon™ RX 6000 graphics and AMD Ryzen™ 6000 series processor. For additional information, see https://www.amd.com/en/graphics/amd-radeon-rx-laptops. GD-198.
- **RM-067:** Testing done by AMD labs, April 19, 2022, on an HP OMEN 16 laptop equipped with a Ryzen 9 6900HX CPU, Radeon RX 6650M XT GPU, 16GB x 2 DDR5, with SmartShift Eco ON, power mode "Best Battery," at 1080p resolution, Medium setting in League of Legends vs SmartShift Eco OFF power mode "Best Performance" @ High setting. Laptop manufacturers may vary configurations with different results. Actual game play time may vary. RM-067

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