AMDA CESTECH DAY

JIMANDERSON

SVP and GM, Computing and Graphics Business Group





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This presentation contains forward-looking statements concerning Advanced Micro Devices, Inc. (AMD) including but not limited to, the features, functionality, availability, timing, expectations and expected benefits of AMD future products including AMD Ryzen™ mobile CPUs with Radeon™ Vega GPUs, Ryzen™ PRO mobile with Radeon™ Vega GPUs, AMD Ryzen™ desktop CPUs with Radeon™ Vega GPUs, AMD Ryzen™ desktop APUs; 2nd generation high-performance AMD Ryzen™ CPUs, and socket AM4 2nd generation chipset; and AMD's Ryzen 2018 roll-out, 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 Quarterly Report on Form 10-Q for the quarter ended September 30, 2017.

A RETURN TO INNOVATION FOR HIGH-PERFORMANCE PCs

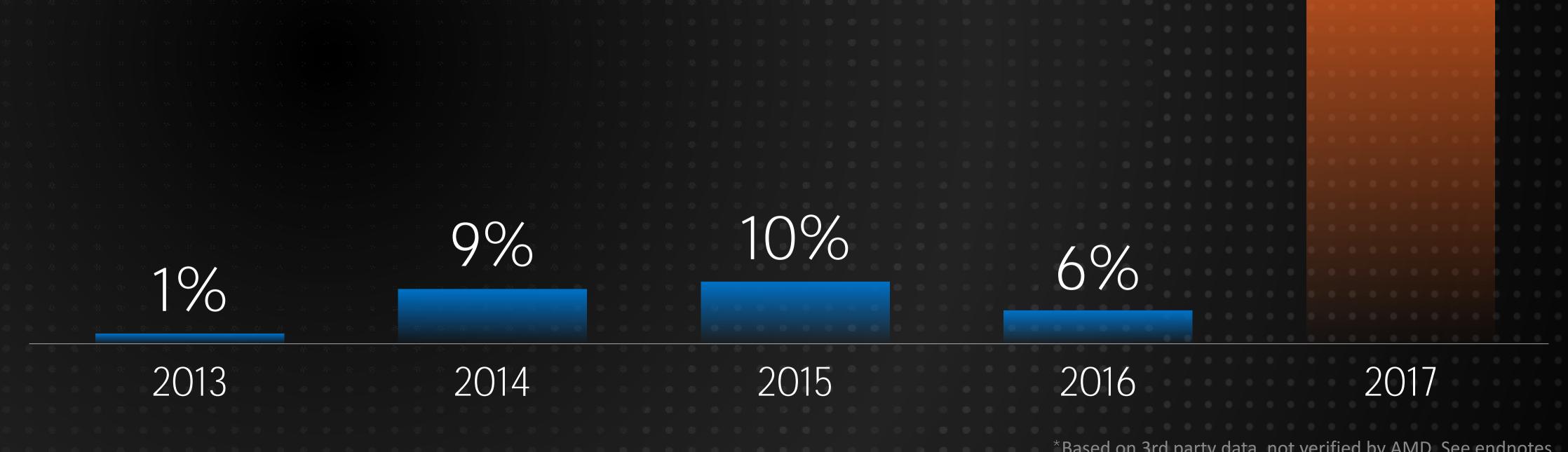




RYZENT EFFECT: DESKTOP



INDUSTRY MULTI-THREADED CPU PERFORMANCE IMPROVEMENTS \$200-\$249 PRICE BAND



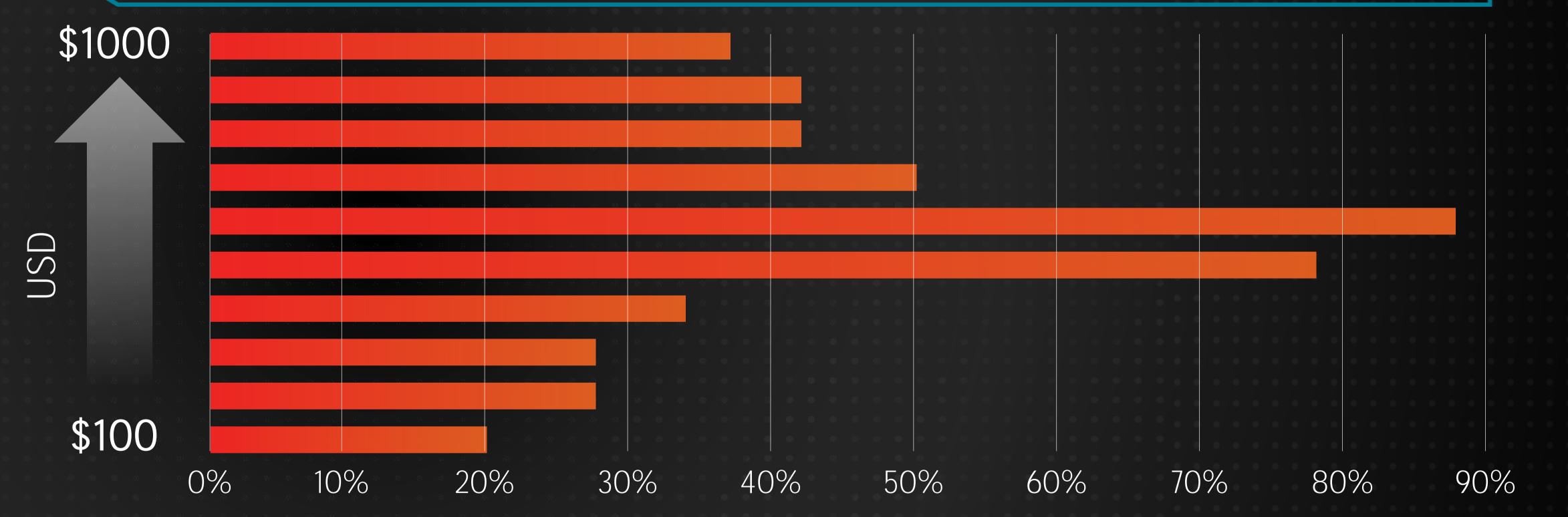
Based on 3rd party data, not verified by AMD. See endnotes

RYZEN

RYZENTEFFECT: DESKTOP







Ryzen™ CPU Performance vs the Competition at Launch



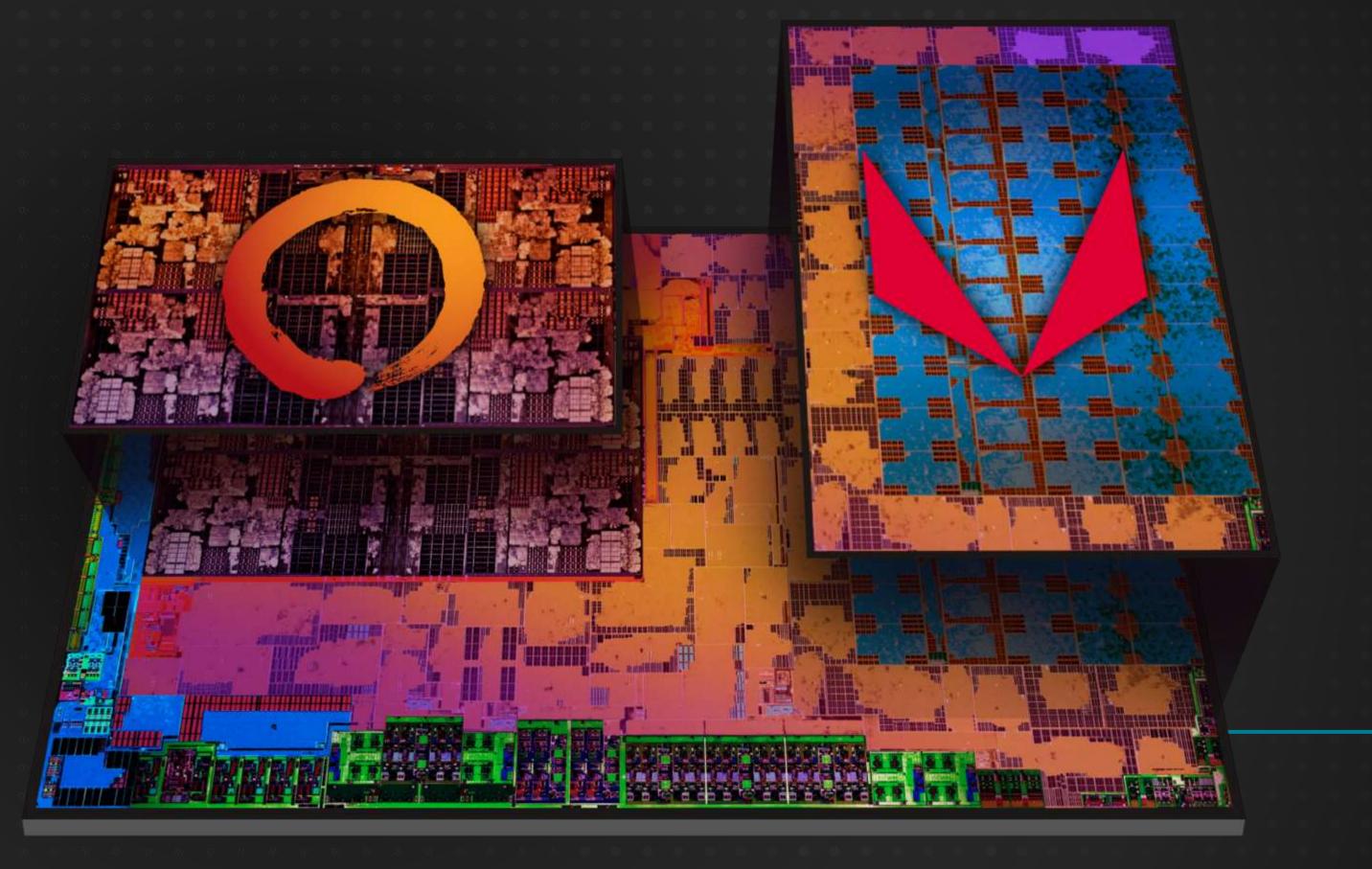
16-core Desktop
Processor





UNLOCKED. UNRESTRAINED. UNCOMPROMISING.

AMDA RYZEN THREADRIPE RYZENT PROCESSOR WITH RADEONT VEGA GRAPHICS



"ZEN"
meets
"VEGA"



Mobile Processor with Radeon™ Vega Graphics



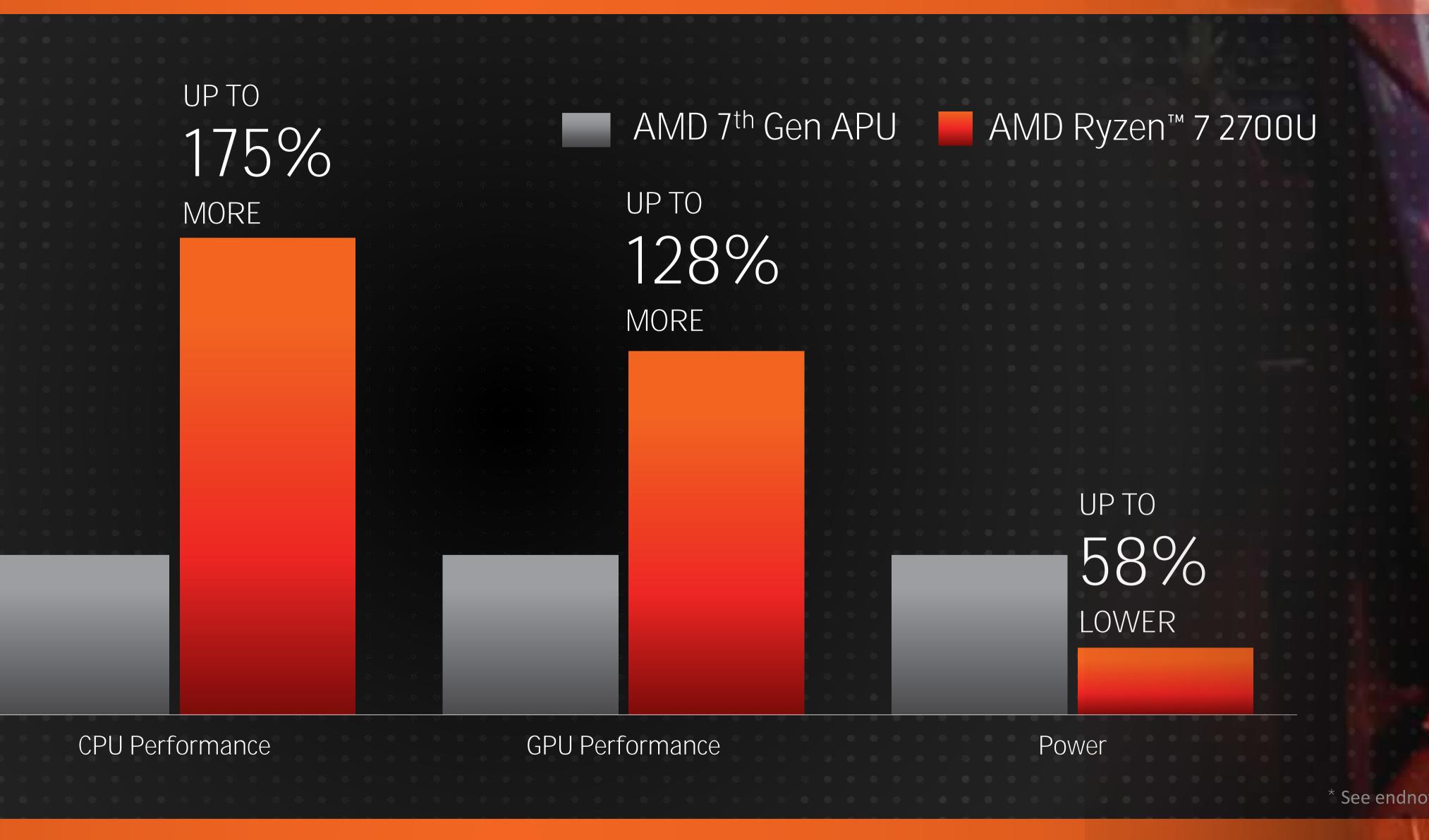
First "Zen"-Based APU



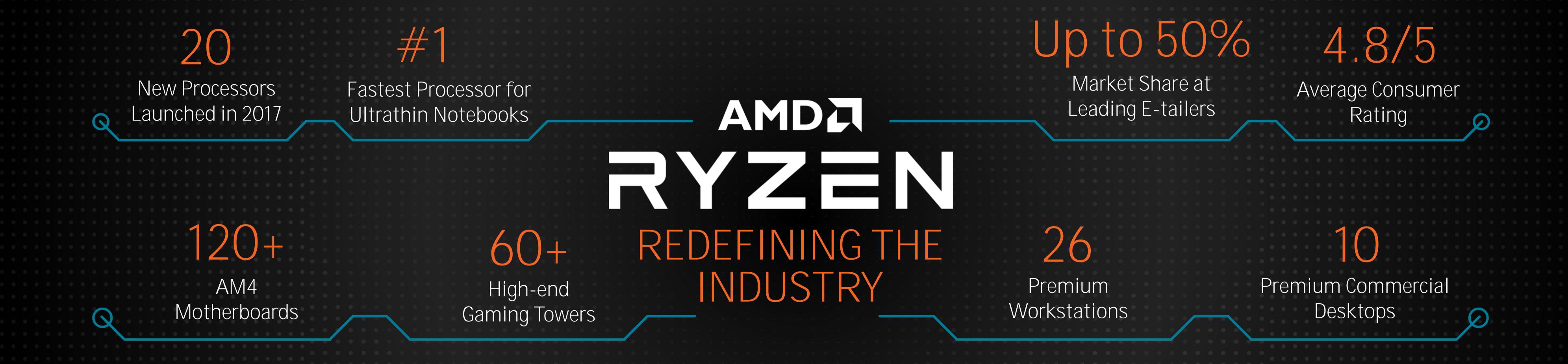
High-Performance On-Die "Vega"-Based Graphics



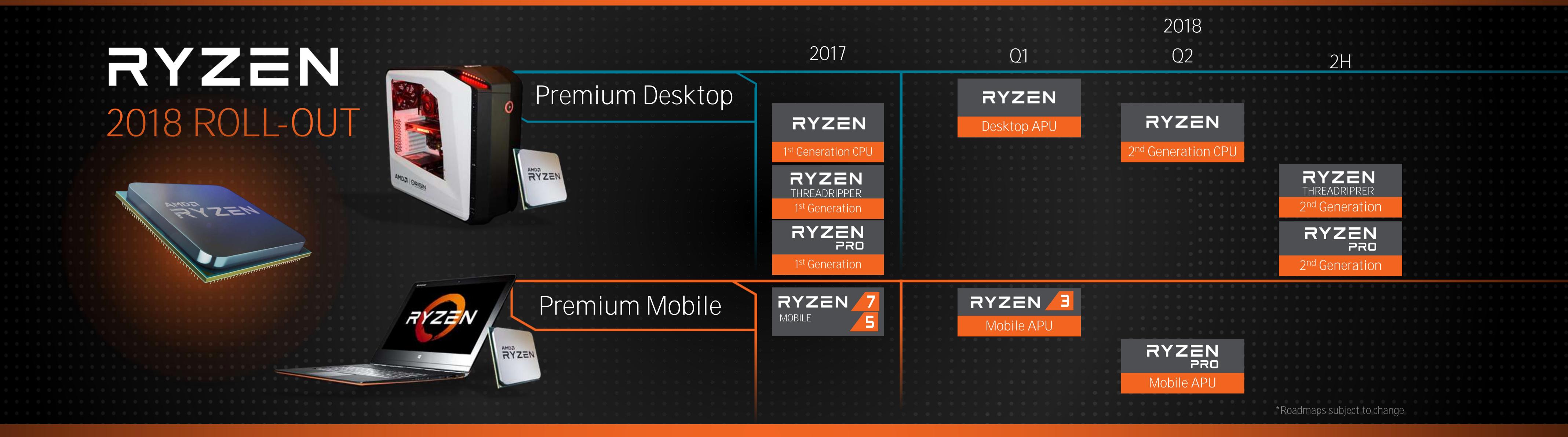
Long Battery Life
Premium Form Factors

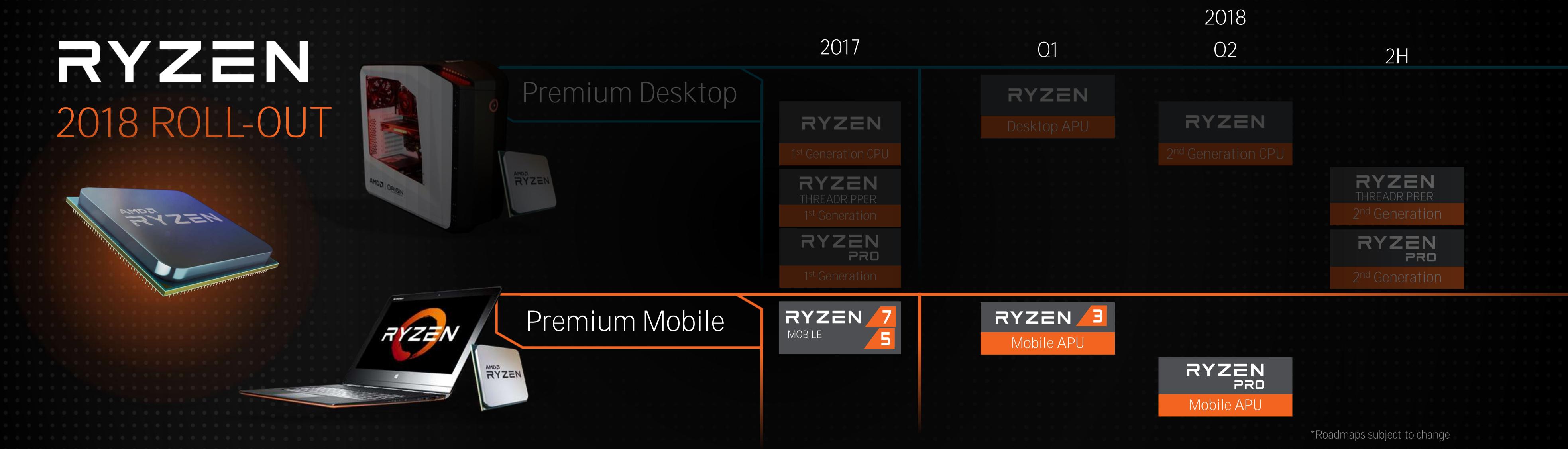












AMD Ryzen[™] Mobile Processor

with Radeon™ Vega Graphics



LAUNCHED Q4 2017



3.8 GHz / 2.2 GHz

4 Cores

8 Threads

10 CUs



RYZENE 2500U

3.6 GHz / 2.0 GHz

4 Cores

8 Threads

8 CUs



SYSTEM AVAILABILITY EXPECTED Q1



3.4 GHz / 2.0 GHz

4 Cores

4 Threads

6 CUs





3.4 GHz / 2.5 GHz

2 Cores

4 Threads

3 CUs



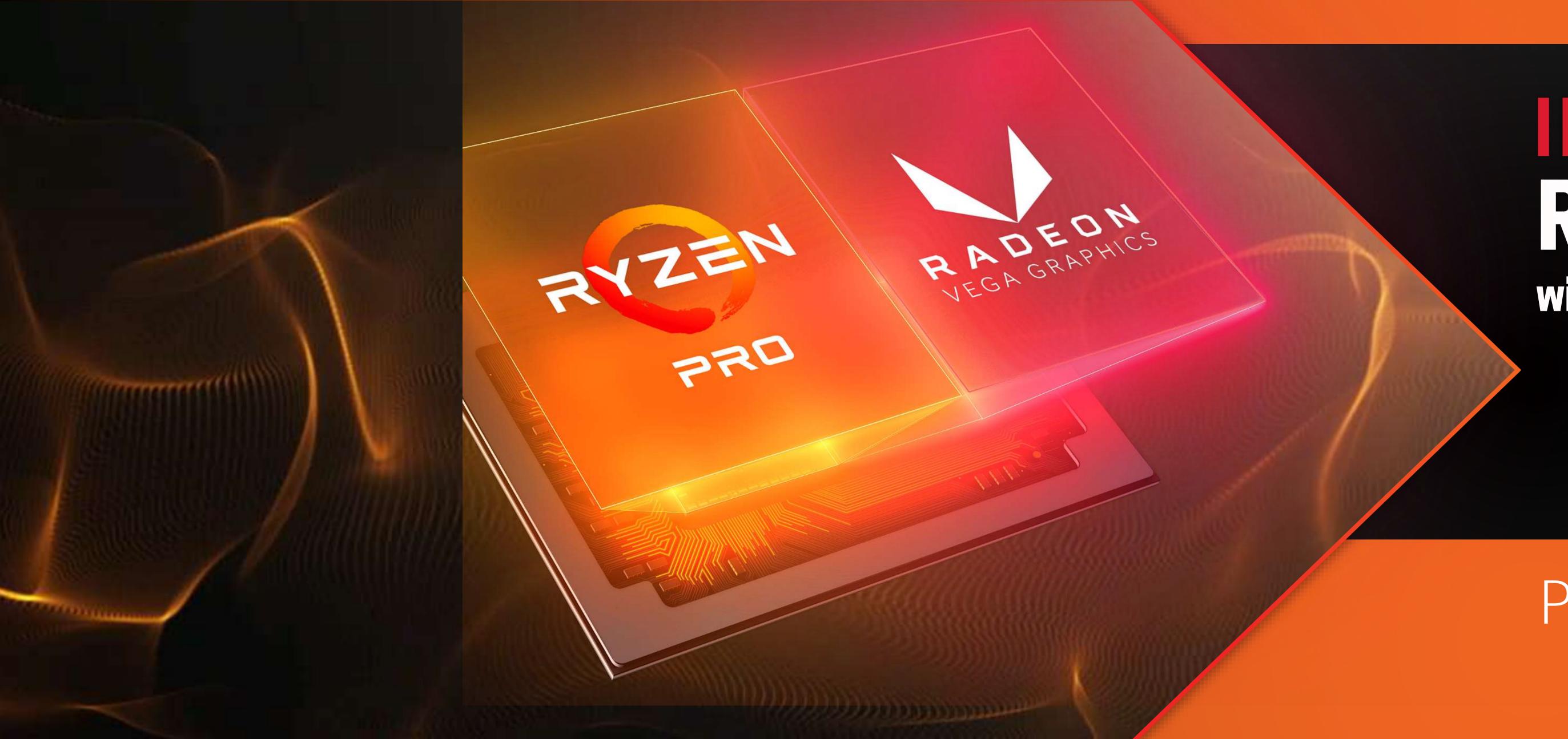
AMD Ryzen™ Mobile Processor with Radeon™ Vega Graphics





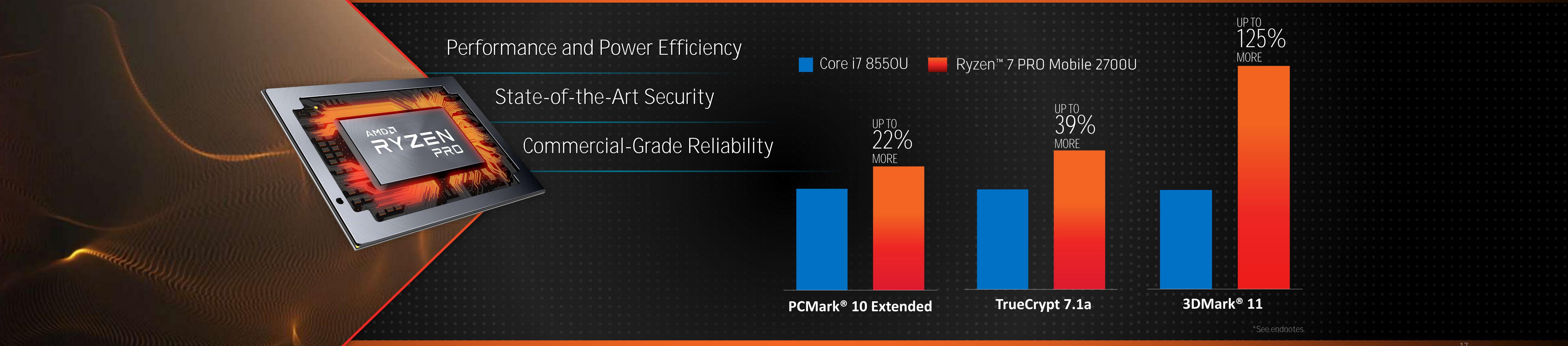


FEATURING THE WORLD'S FASTEST PROCESSOR FOR ULTRATHIN NOTEBOOKS



INTRODUCING Ryzen™ PRO Mobile with Radeon™ Vega Graphics

Powerful. Secure. Reliable.



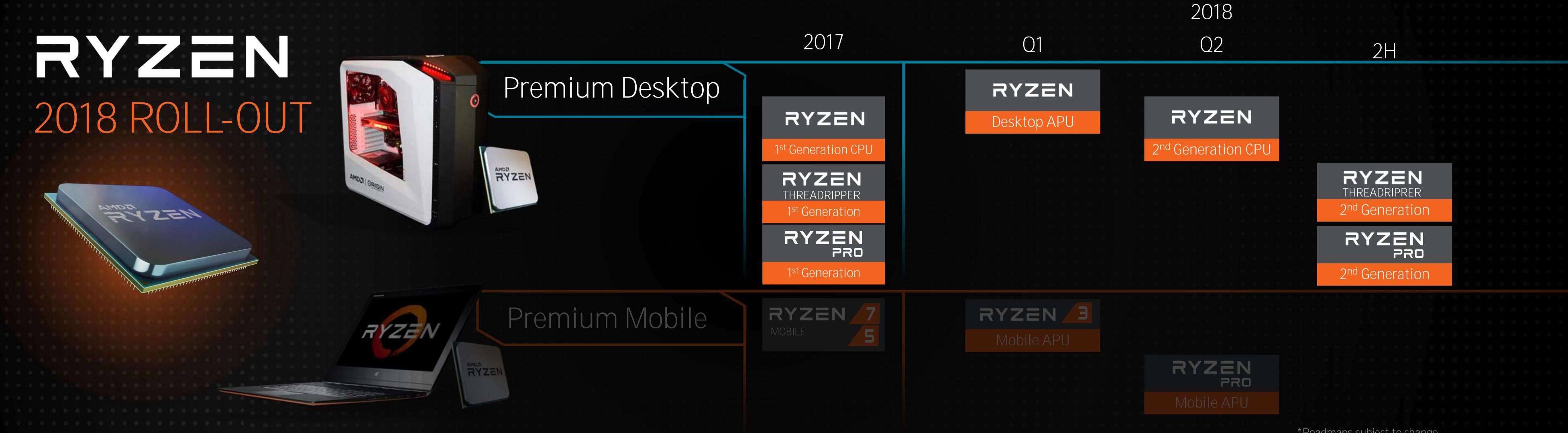
AMD Ryzen™ PRO Mobile
Mobile Processor
with Radeon™ Vega Graphics



DESIGNED FOR HIGH-PERFORMANCE PREMIUM COMMERCIAL NOTEBOOKS







*Roadmaps subject to change



Desktop Processor with Radeon™ Vega Graphics

LAUNCHING FEBRUARY 12

RYZENE 2400G

3.9 GHz Max Boost / 3.6 GHz

4 Cores

8 Threads

11 CUs



\$169 USD SEP

RYZEN 2200G

3.7 GHz Max Boost / 3.5 GHz

4 Cores

4 Threads

8 CUs

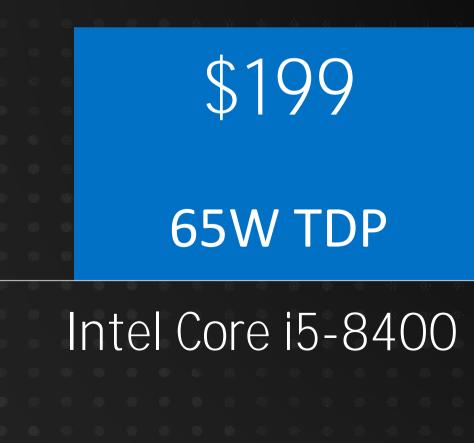


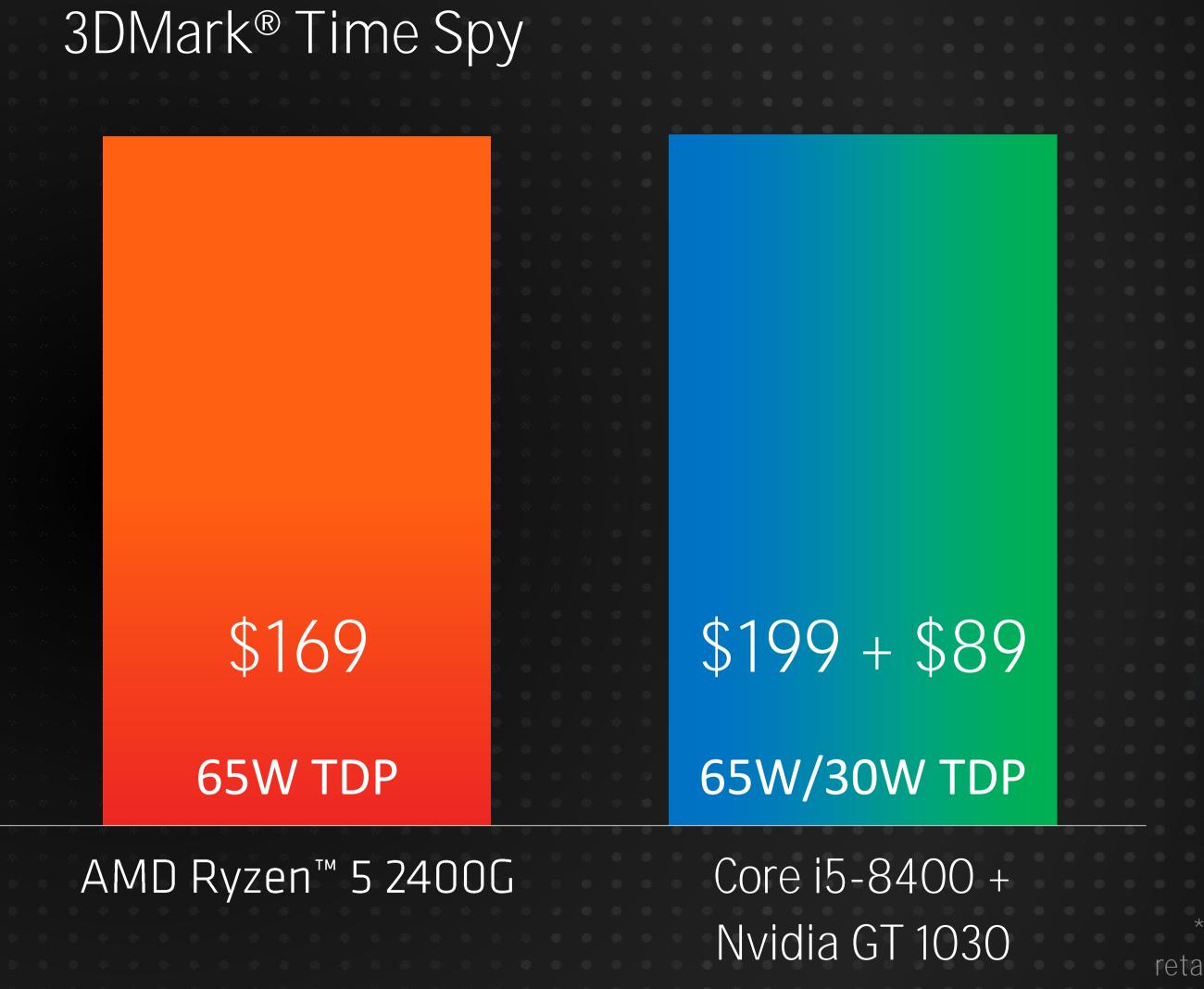
\$99 USD SEP





with Radeon™ Vega Graphics





2ND GENERATION
HIGH-PERFORMANCE CPU

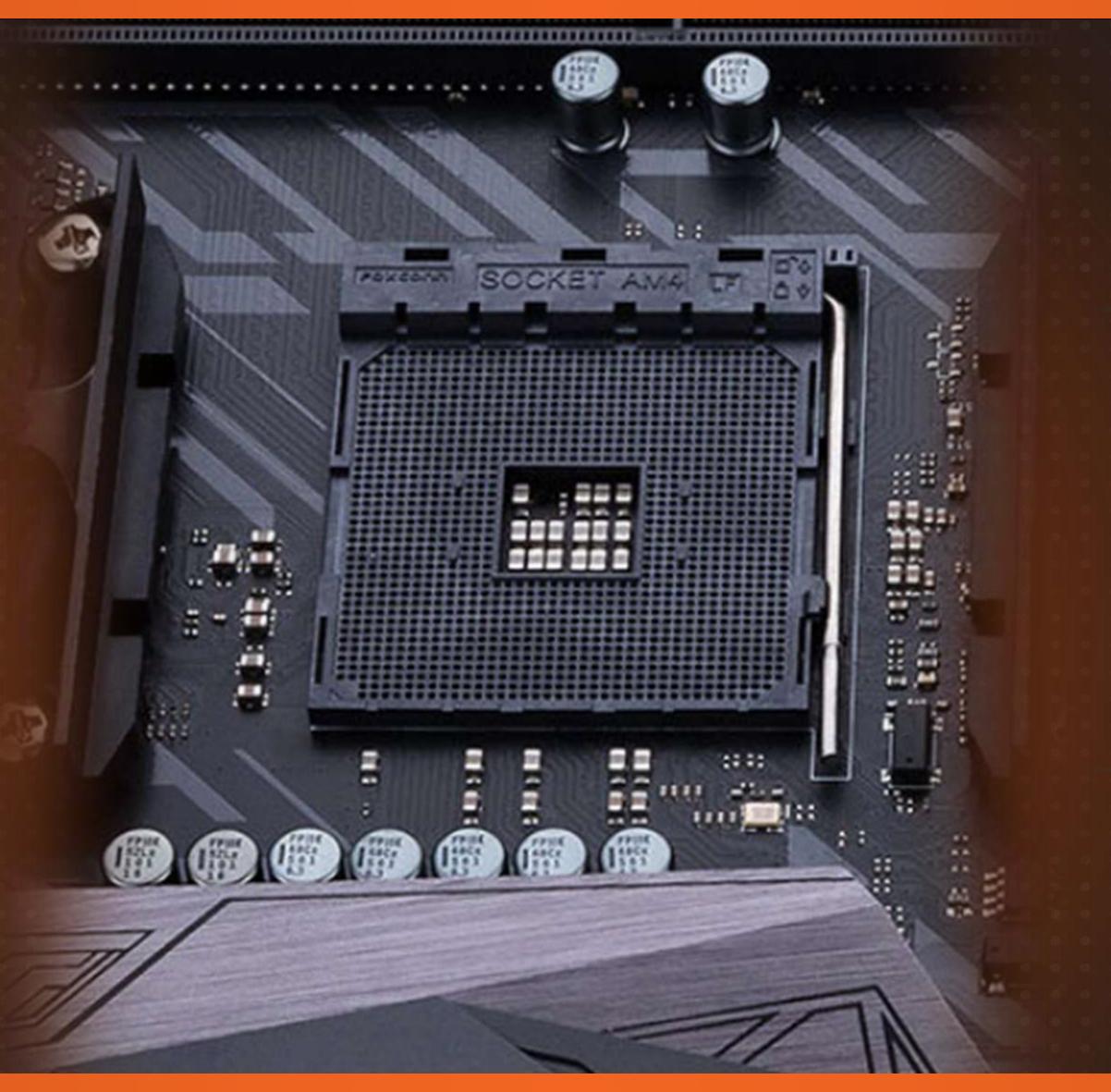


Higher Clocks

Precision Boost 2 Technology

Launching April 2018

ONEPLATFORMTO RULETHEMALL

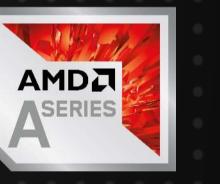


RYZEN RYZEN

2nd Generation CPU

RYZEN

Desktop APU with Radeon™ Vega



Socket AM4

2ND GENERATION CHIPSET

Optimized for 2nd Generation Ryzen™ CPUs

Lower Power

Launching April 2018

CHANGING THE RULES OF HIGH-PERFORMANCE PCs

RYZEN

Desktop APU

FEBRUARY 12

RYZEN

2nd Generation CPU

APRIL 2018



RYZEN PRO Mobile APU 02 2018

ENDNOTES

SLIDE 4, 5: All Cinebench R15 nT Scores obtained from https://www.anandtech.com/bench/CPU/1603

SLIDE 6: 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-106

SLIDE 8: CPU Performance: Testing by AMD Performance labs. PC manufacturers may vary configurations yielding different results. Cinebench R15 nT is used to simulate multi-thread CPU performance; the AMD Ryzen™ 7 2700U scored 660.5, while the FX 9800P scored 240 for a benchmark score comparison of 660.5/240 = 2.75X or 175% more. RVM-27. AMD Ryzen™ 7 2700U Processor: HP 83C6, AMD Ryzen™ 7 2700U Processor with Radeon™ Vega 10 Graphics, 8GB Dual Channel (2x4GB).

GPU Performance: Testing by AMD Performance labs. PC manufacturers may vary configurations yielding different results. Performance may vary with driver versions. AMD Ryzen™ 7 2700U: AMD Ryzen™ 7 2700U: AMD Ryzen™ 7 2700U: AMD Ryzen™ 7 2700U: AMD Ryzen™ 7 2700U Processor with Radeon™ R7 Mobile Graphics driver 23.20.768.9, 26-Sep-2017. AMD FX™ 9800P: HP 81AA, AMD FX™ 9800P with Radeon™ R7 Mobile Graphics, 8GB DDR4-2133 RAM, Samsung 850 PRO 512GB SATA SSD, Windows 10 Pro RS2, Graphics driver 22.19.662.4, 19-Jul-20173DMark® Time Spy is used to simulate graphics performance; the AMD Ryzen™ 7 2700U scored 915, while the AMD FX™ 9800P scored 400 for a benchmark score comparison of 915/400 = 2.29X or 129% more performance. RVM-17

Energy Efficiency: Based on AMD testing as of 9/28/2017. System configuration(s): AMD Ryzen™ 7 2700U Graphics Driver: 23.20.768.9. AMD FX-9800P/"7th Gen APU"), Samsung 850 Pro SSD, Windows 10 x64 1703, 1920x1080. AMD Ryzen™ 7 2700U Graphics Driver: 23.20.768.9. AMD FX-9800P Graphics Driver: 23.19.662.4. 1x8GB DDR4-2133 (AMD FX-9800P). 2x4GB DDR4-2400 (AMD Ryzen™ 7 2700U Graphics Driver: 23.20.768.9. AMD Ryzen™ 7 2700U = 1594J (58% less). Different configurations may yield different results RVM-25

SLIDE 10: Average over period 3/1/17 – 10/9/17 in int'l survey covering etailers in UK, USA, Ger., Can., and Fr. More details. (This should be used for smaller banners with the larger footnote below in close proximity.) Average over period 1 March to 9 October 2017. International survey covering UK, USA, Germany, Canada, and France. Etailers selling either or both families of processors in a box amazon-uk, amazon-uk, amazon-uk, amazon-us, bestbuy-us, ebuyer-uk, Idlc-fr, materielnet-fr, microcenter-us, mindfactory-de, ncix-us, newegg-ca, newegg-ca, newegg-us, pcworld-ukstaples-us, walmart-us. AMD Ryzen 5 1500X, Ryzen 5 1500X, Ryzen 5 1600X, Ryzen 6 1700X, I7-7800X, I7-7800X

"Processor for ultrathin notebooks" defined as 15W nominal processor TDP. Based on testing of the AMD Ryzen™ 7 2700U, AMD Ryzen™ 7 2700U, AMD Ryzen™ 5 2500U, and Core i7-8550U mobile processors as of 10/6/2017 Performance based on Cinebench R15 nT and 3DMark® TimeSpy in order of AMD 2700U, AMD 2500U and Intel 8550U. Cinebench R15 nT results: 660.5, 606.5, 498.2; 3DMark TimeSpy in order of AMD 8700U and Core i7-8550U mobile processors as of 10/6/2017 Performance based on Cinebench R15 nT and 3DMark® TimeSpy in order of AMD 2700U, AMD 8700U and Intel 8550U. Cinebench R15 nT results: 660.5, 498.2; 3DMark TimeSpy in order of AMD 2700U, AMD 8700U and Intel 8550U. Cinebench R15 nT results: 660.5, 498.2; 3DMark TimeSpy in order of AMD 8700U, AMD 8700U and Intel 8550U. Cinebench R15 nT results: 660.5, 498.2; 3DMark TimeSpy in order of AMD 2700U, AMD 8700U and Intel 8550U. Cinebench R15 nT results: 660.5, 498.2; 3DMark TimeSpy in order of AMD 8700U, AMD 8700U and Intel 8550U. Cinebench R15 nT results: 660.5, 498.2; 3DMark TimeSpy in order of AMD 8700U, AMD 8700U and Intel 8550U. Cinebench R15 nT results: 660.5, 498.2; 3DMark TimeSpy in order of AMD 8700U, AMD 8700U and Intel 8550U. Cinebench R15 nT results: 660.5, 498.2; 3DMark TimeSpy in order of AMD 8700U and Intel 8550U. Cinebench R15 nT results: 660.5, 498.2; 3DMark TimeSpy in order of AMD 8700U and Intel 8550U. Cinebench R15 nT results: 660.5, 498.2; 3DMark TimeSpy in order of AMD 8700U and Intel 8550U and Intel 8550U. Cinebench R15 nT results: 660.5, 498.2; 3DMark TimeSpy in order of AMD 8700U and Intel 8550U and Intel 8550U. Cinebench R15 nT results: 660.5, 498.2; 3DMark TimeSpy in order of AMD 8700U and Intel 8550U and Intel 8550U

SLIDE 14, 20: AMD Radeon™ and FirePro™ GPUs based on the Graphics Core Next architecture consist of multiple discrete execution engines known as a Compute Unit ("CU"). Each CU contains 64 shaders ("Stream Processors") working together. GD-78

SLIDE 15: "Processor for ultrathin notebooks" defined as 15W nominal processor TDP. Based on testing of the AMD Ryzen™ 7 2700U, AMD Ryzen™ 7 2700U, AMD 2700U, AMD 2700U, AMD 2700U and Intel 8550U. Cinebench R15 nT results: 660.5, 606.5, 498.2; 3DMark TimeSpy results: 978, 865, 350. 50:50 CPU:GPU weighted relative performance with i7 baseline: Intel i7-8650U = (498.2/498.2*.5) + (978/350*.5) = 100%; AMD Ryzen 7 2700U = (660.5/498.2*.5) + (978/350*.5) = 206% RVM-26

SLIDE 17: Testing by AMD Performance labs. PCMark 10 Extended is used to simulate productivity performance; the AMD Ryzen™ 7 PRO 2700U scored 2533 for a benchmark score comparison of 3102/2533 = 1.22X or 22% faster. AMD Ryzen™ 7 PRO 2700U with Radeon™ Vega 10 Processor Graphics, 8GB DDR4-2400 RAM, Samsung 850 PRO 512GB SATA SSD, Windows 10 Pro RS2, Graphics driver 22.19.655.2, 06-Sep-2017. Core i7-8550U with Intel UHD Graphics 620, 8GB DDR4-2400 RAM, MTFDDAV256TBN - M.2 Sata SSD, Windows 10 Pro RS2, Graphics driver 22.20.16.4771, 12-Aug-2017. Different configurations and drivers may yield different results. RPM-2 Testing by AMD Performance labs. TrueCrypt 7.1a 1GB AES is used to simulate data encryption performance; the AMD Ryzen™ 7 PRO 2700U scored 4.6, while the Intel i7-8550U scored 3.3 for a benchmark score comparison of 4.6/3.3 = 1.39X or 39% faster. AMD Ryzen™ 7 PRO 2700U with Radeon™ Vega 10 Processor Graphics, 8GB DDR4-2400 RAM,

Samsung 850 PRO 512GB SATA SSD, Windows 10 Pro RS2, Graphics driver 22.19.655.2, 06-Sep-2017. Core i7-8550U: Acer Spin 5, Core i7-8550U scored 1937 for a benchmark score comparison of 4357/1937 = 2.25X or 125% faster and the Intel i7-7500U scored 1937 for a benchmark score comparison of 4357/1943 = 2.50X or 150% faster. AMD Ryzen™ 7 PRO 2700U:

HP Envy x360 @25W, AMD Ryzen™ 7 PRO 2700U Processor with Radeon™ Vega 10 Graphics, 8GB DDR4-2400 RAM, Samsung 850 PRO 512GB SATA SSD, Windows 10 Pro RS2, Graphics driver 22.19.655.2, 06-Sep-2017. Intel Core i7-8550U: Acer Swift 3, Intel Core i7-8550U with Intel UHD Graphics 620 @15W, 16GB DDR4-2400 RAM, Samsung 850 PRO 512GB SATA SSD, Windows 10 Pro RS2, Graphics drivers may yield different results. RPM-1

Slide 21: Testing by AMD Performance labs as of 01/05/2018 on the following system. PC manufacturers may vary configurations yielding different results. Results may vary based on driver versions used. System Configs: 16GB DDR4-3200, Samsung 950 PRO SSD, Windows 10 RS2. Socket AM4 System: AMD Ryzen 5 2400G (\$169 USD SEP, 65W TDP), Turpan motherboard. Graphics driver 23.20.16.4849. (with GeForce GTX 1030 (\$89 on Newegg as of Jan 5, 2018, 30W TDP) – graphics driver 23.20.16.4849. (with GeForce GTX 1030 (\$89 on Newegg as of Jan 5, 2018, 30W TDP) – graphics driver 23.20.16.4849. (with GeForce GTX 1030 (\$89 on Newegg as of Jan 5, 2018, 30W TDP) – graphics driver 23.20.16.4901) :: 01/05/2018. The Ryzen 5 2400G (with Radeon graphics) achieved 1231 in 3DMark Time Spy, and 3349 in 3DMark Fire Strike. The Core i5 8400 (using GeForce GTX 1030 graphics) achieved 1234 in 3DMark Time Spy, and 3349 in 3DMark Fire Strike.

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DISCLAIMER

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"Zen", "Zen+" and "Vega" are codenames for AMD architectures and are not product names.

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