

AMD RYZEN™ 8000 G-SERIES PROCESSORS

FOR ENTRY GAMING AND PRODUCTIVITY SYSTEMS



AVAILABLE JANUARY 31st

AMD Ryzen™ 7 8700G with AMD Ryzen™ AI

8-Core 16-Thread	UP TO 5.1 GHz MAX BOOST	24MB Cache	65W TDP	AMD Radeon™ 780M Graphics
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AMD Ryzen™ 5 8600G with AMD Ryzen™ AI

6-Core 12-Thread	UP TO 5.0 GHz MAX BOOST	22MB Cache	65W TDP	AMD Radeon™ 760M Graphics
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AMD Ryzen™ 5 8500G

6-Core 12-Thread	UP TO 5.0 GHz MAX BOOST	22MB Cache	65W TDP	AMD Radeon™ 740M Graphics
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AMD Ryzen™ 3 8300G (only in partner systems)

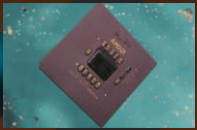
4-Core 8-Thread	UP TO 4.9 GHz MAX BOOST	12MB Cache	65W TDP	AMD Radeon™ 740M Graphics
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(System Builder Only, available by the end of Q1 2024)

*Images are for illustrative purposes only SEE ENDNOTE: GD-150.

A HISTORY OF AMD INNOVATION LEADING THE AI ERA

First Processor
to Break 1 GHz



First 1 GHz
Graphics
Processor

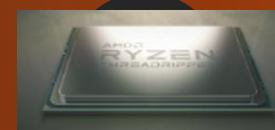


First 16, 32, 64,
and 96-core
Desktop
Processors

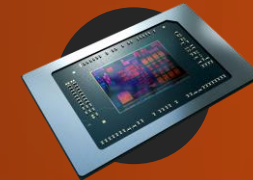


First Native
Quad-Core x86
Processor

First
Accelerated
Processing Unit
(APU)



First Neural
Processing Unit in
a Windows x86
Processor



The Next Step in Personal AI Processing

AMD RYZEN™ 8040 SERIES PROCESSORS

NPU

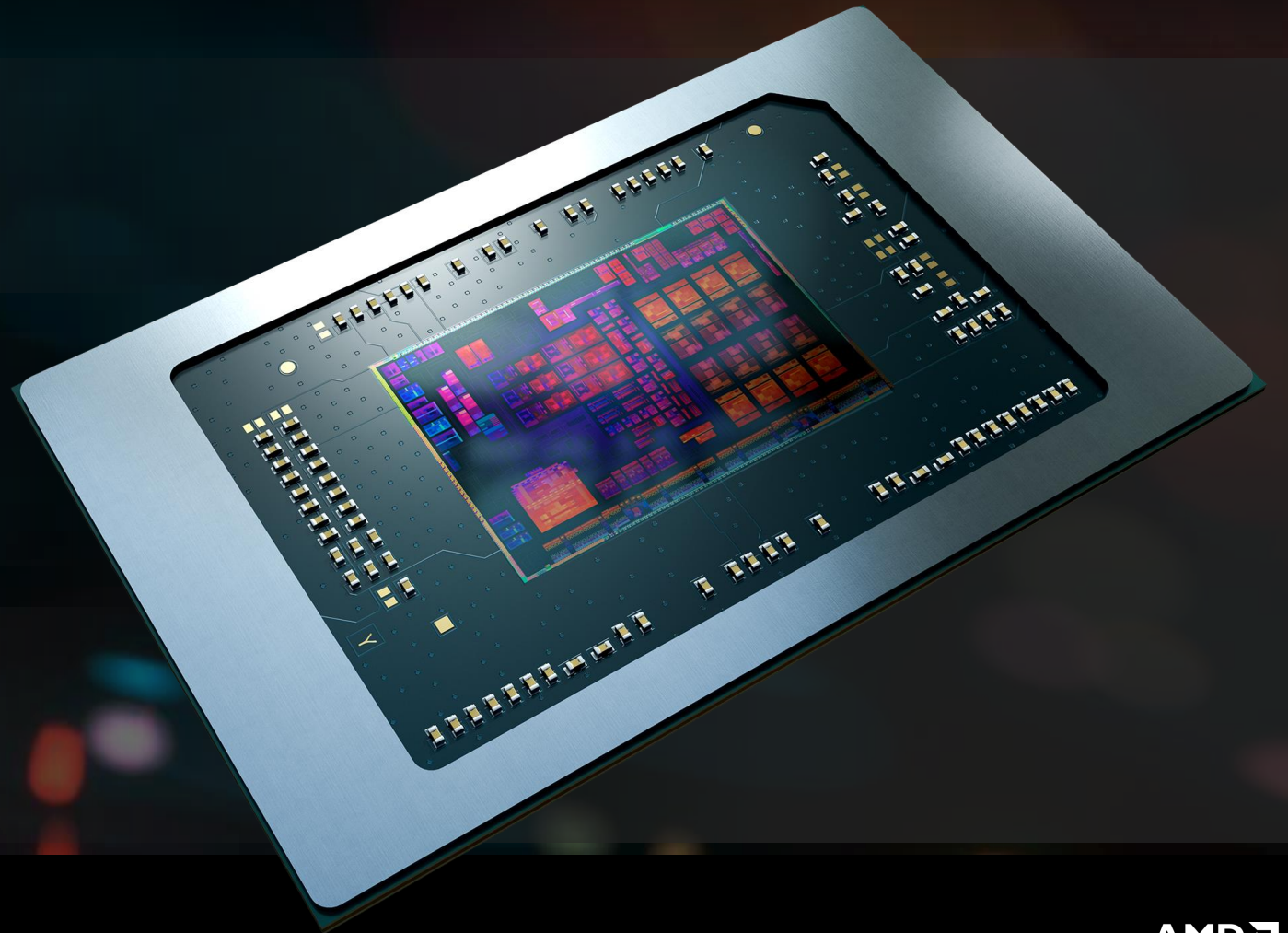
AMD 
XDNA™

CPU

AMD 
'ZEN 4'

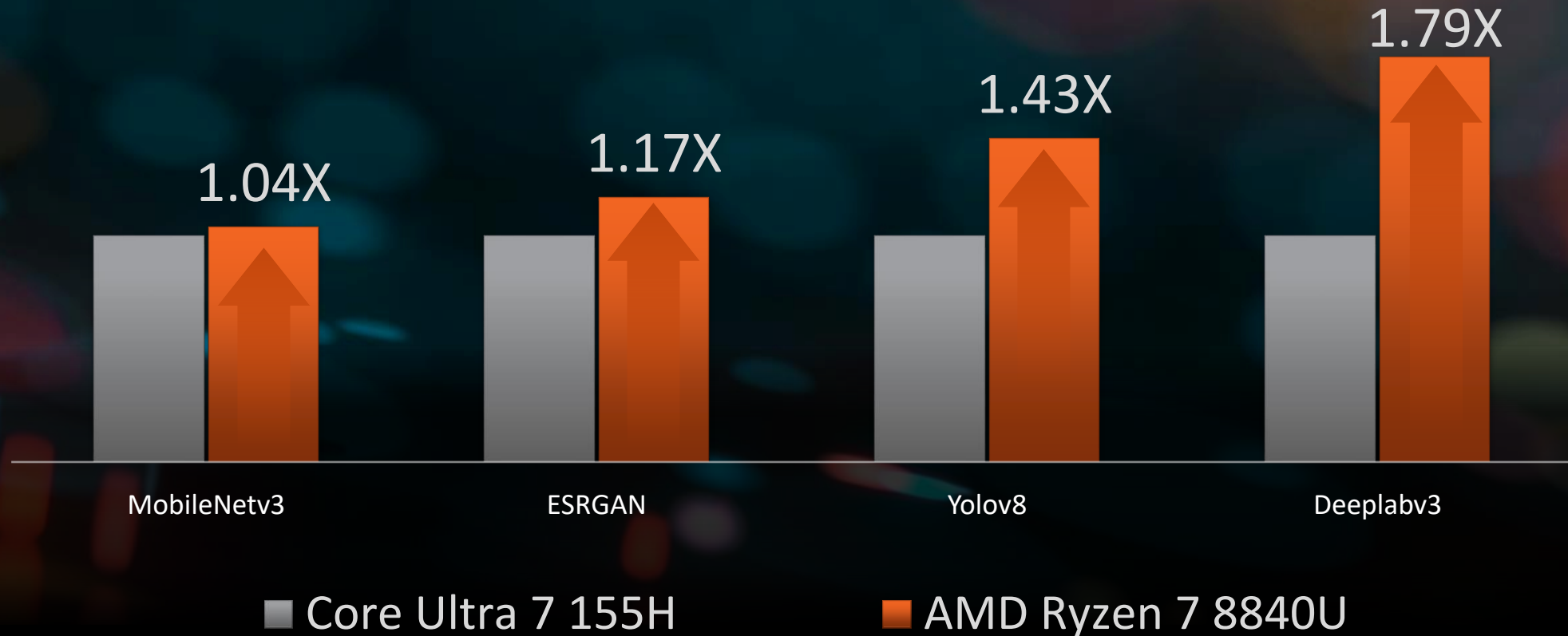
GPU

AMD 
RDNA™ 3



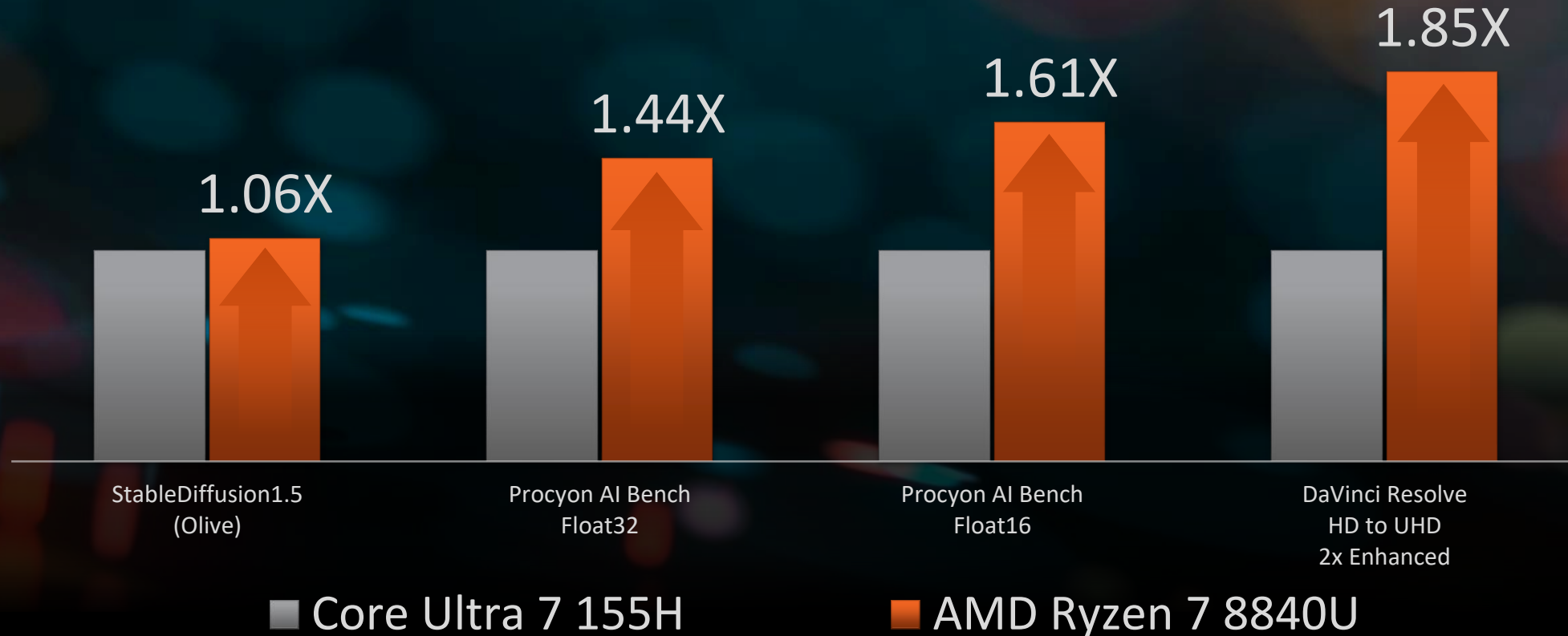
AI PROCESSING LEADERSHIP

STATE OF THE ART VIDEO MODELS WITH THE POWERFUL RYZEN™ AI NPU



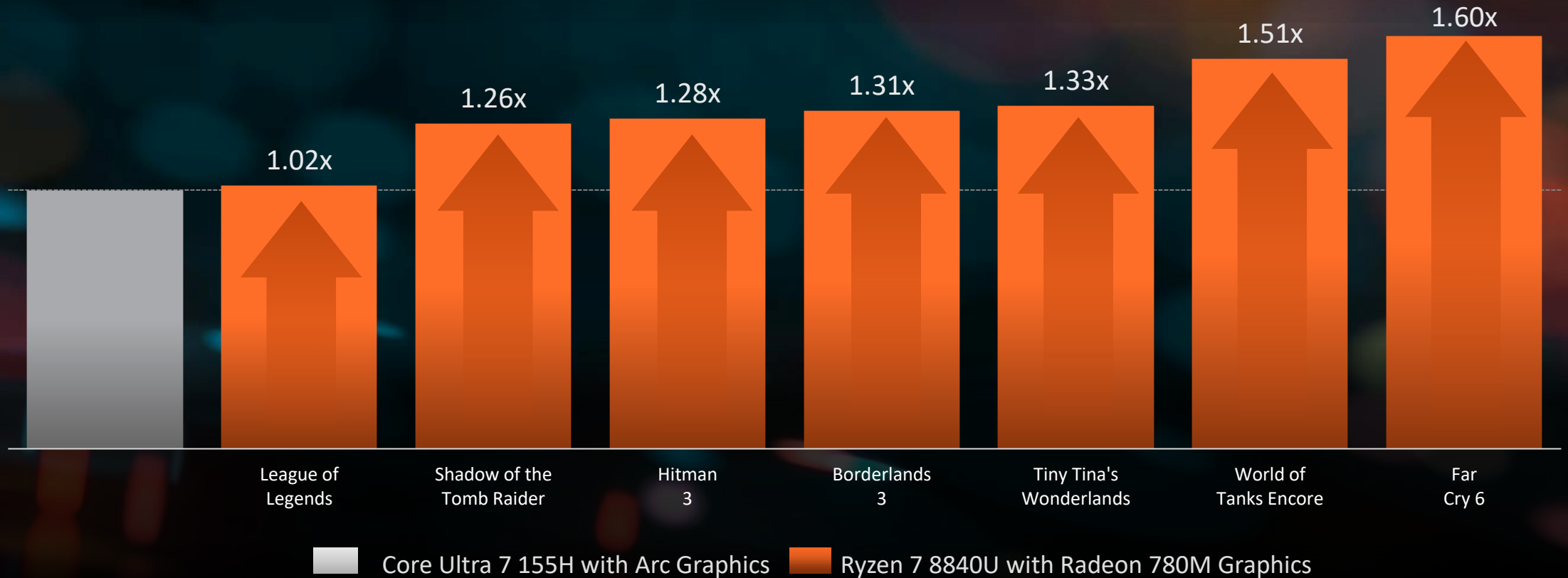
AI PROCESSING LEADERSHIP

CONTENT CREATION WITH POWERFUL RADEON 700M GRAPHICS



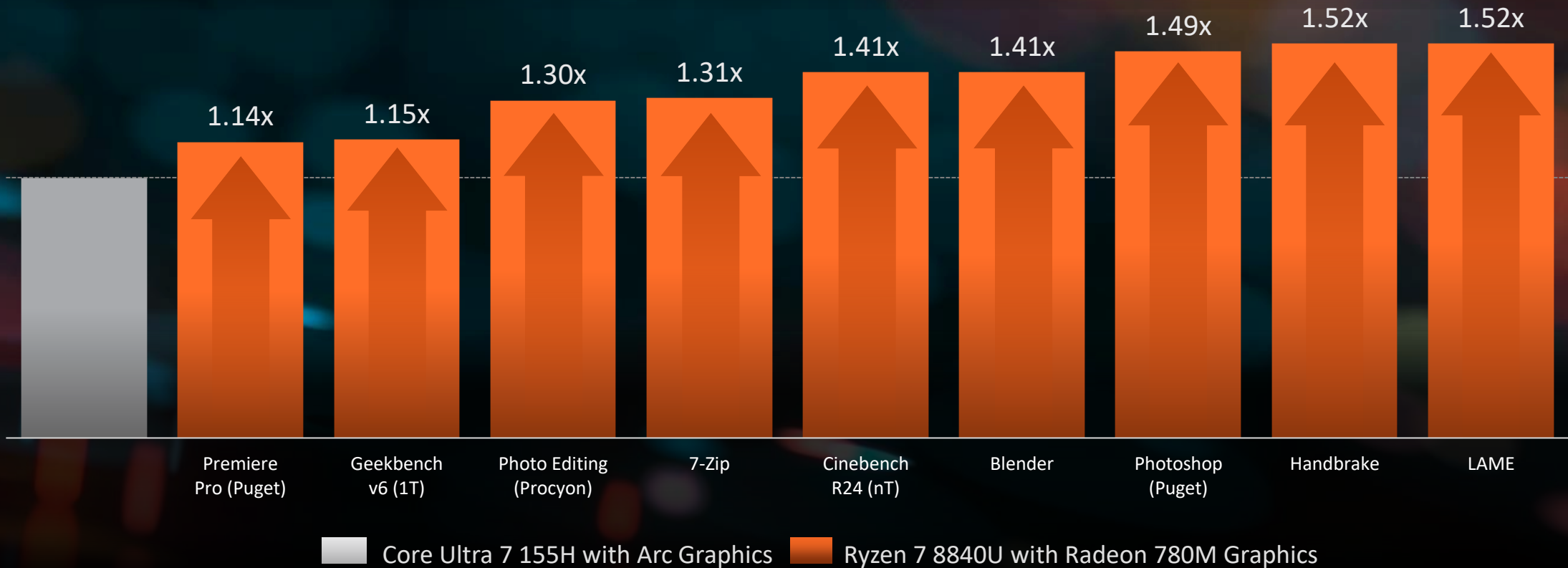
FULL-HD GAMING LEADERSHIP

AMD RYZEN 7 8840U BEATS THE CORE ULTRA 7 155H



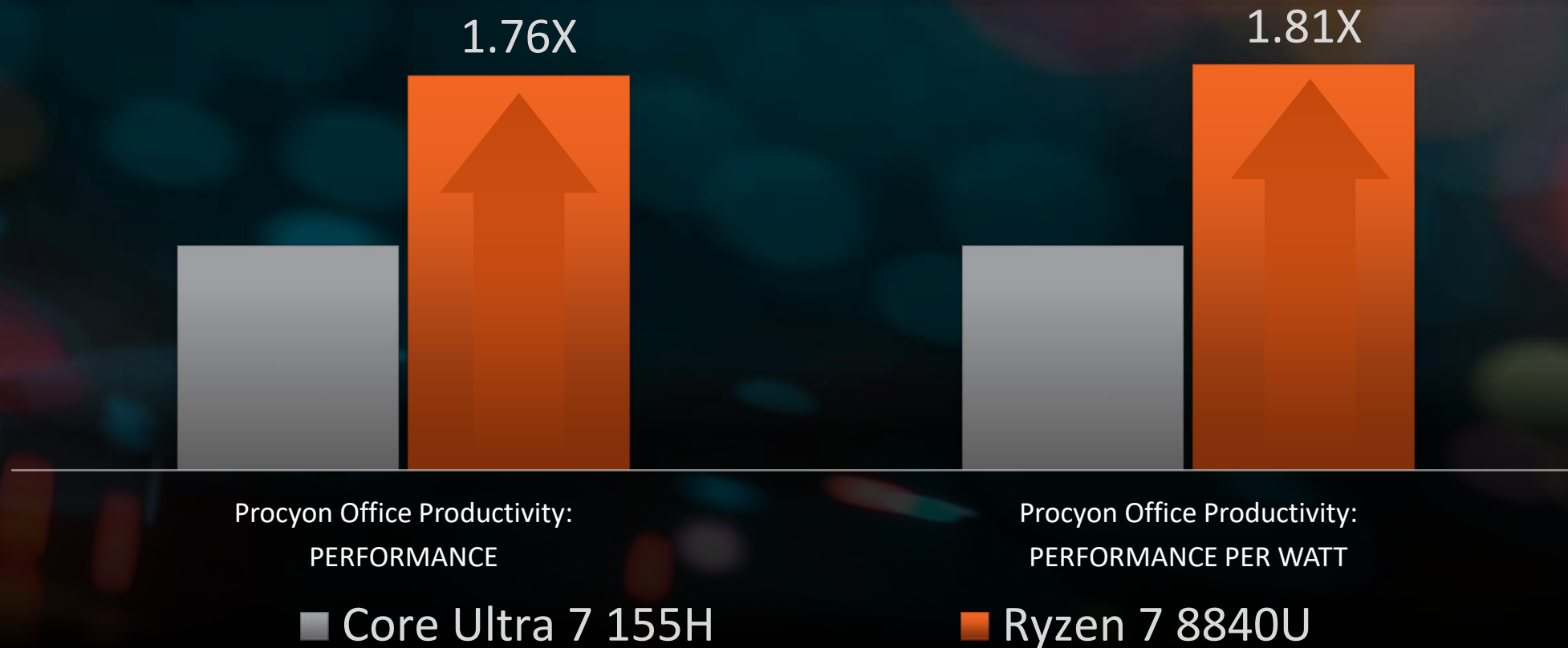
MOBILE PRODUCTIVITY LEADERSHIP

AMD RYZEN 7 8840U BEATS THE CORE ULTRA 7 155H



EFFICIENCY LEADERSHIP

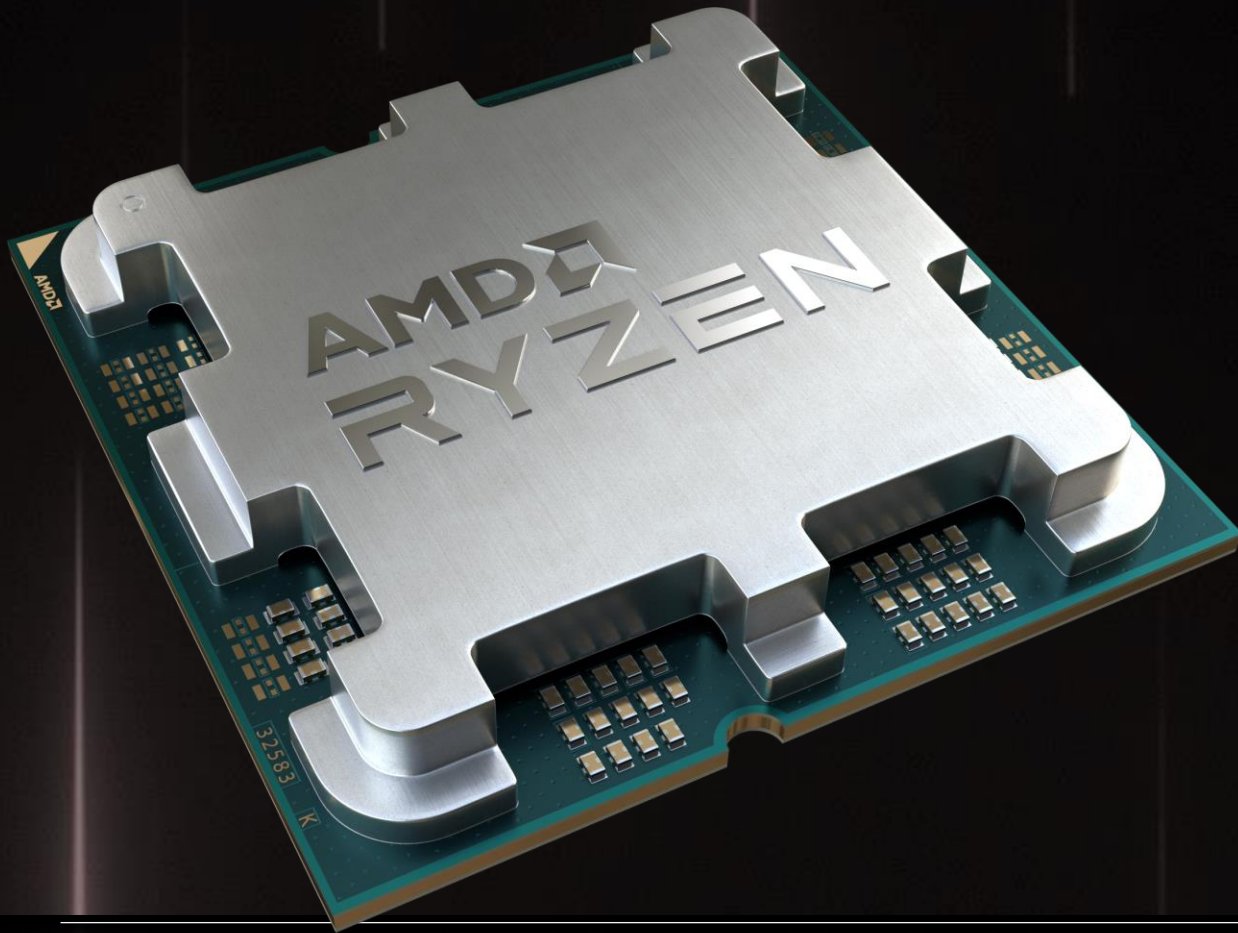
DELIVERING BETTER PERFORMANCE AND SAVING POWER VS. THE COMPETITION



Both in 14" identical chassis
Competitive Performance, Up to

*See endnotes HWK-31

AMD RYZEN™ 8000G SERIES PROCESSORS



GAME WITH THE

FASTEST

DESKTOP PC PROCESSOR GRAPHIC
IN THE WORLD

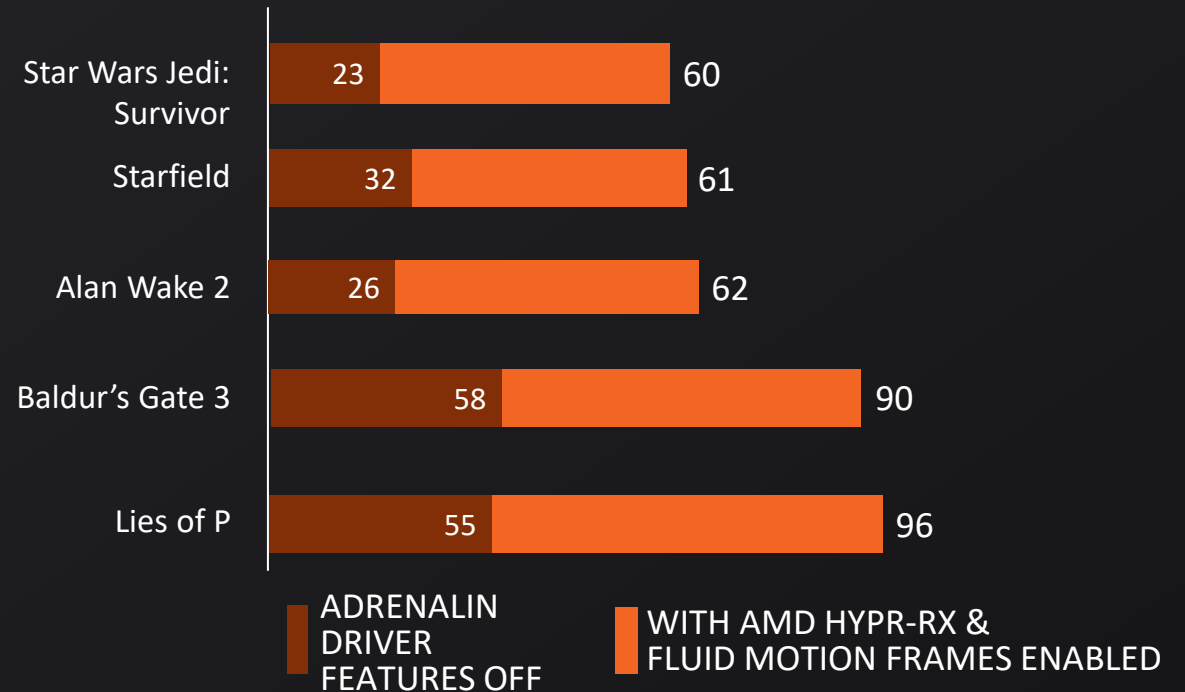
FULLY UPGRADABLE WITH A GRAPHICS CARD

With built-in

AMD RADEON™ 700M SERIES GRAPHICS

Get a huge
performance boost
from exclusive AMD
HYPER-RX with Fluid
Motion Frames

ELEVATE YOUR GAME WITH OVER 75% PERFORMANCE UPLIFT



AMD Ryzen 7 8700G with built-in Radeon 780M
Average Frame Rates, 1080p low detail settings (unless otherwise specified), up to

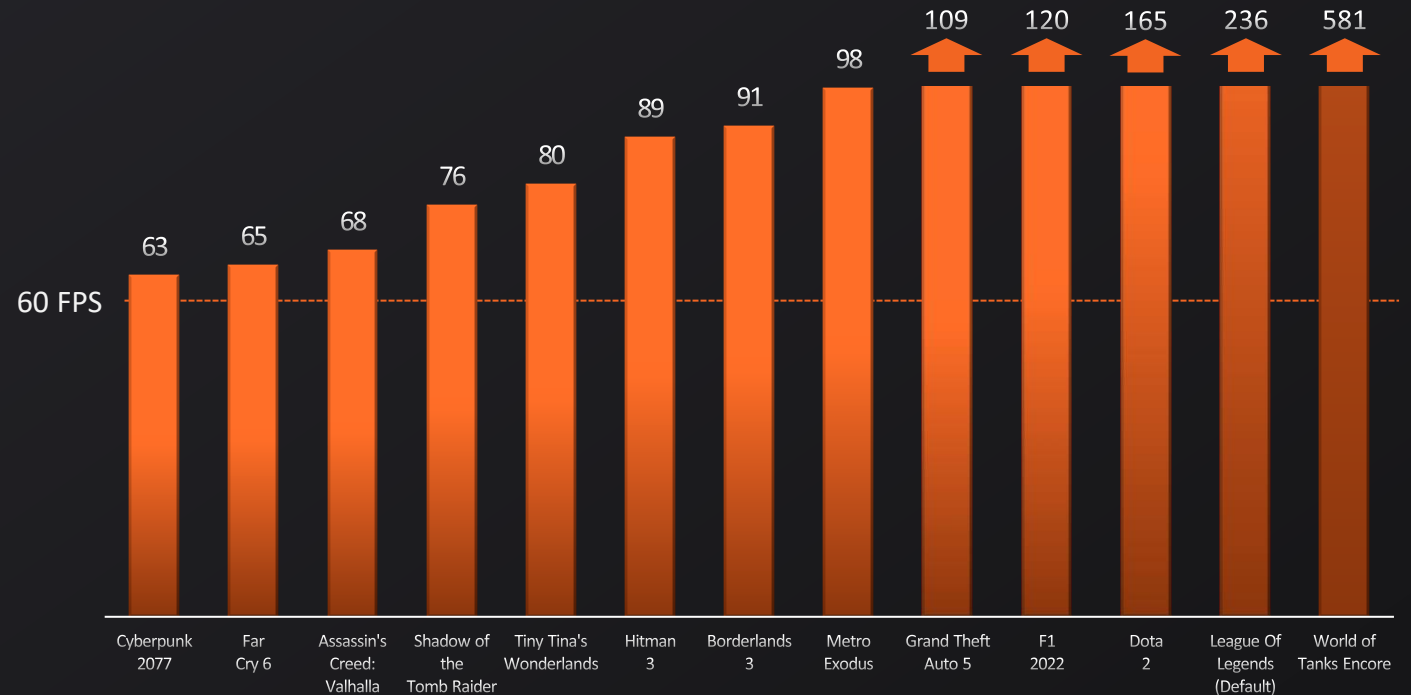
With built-in

AMD RADEON™ 700M SERIES GRAPHICS

Ready to game out-of-
the-box, in full-HD
1080p...

SMOOTH FULL-HD GAMING

60+ FPS WITHOUT A GRAPHICS CARD



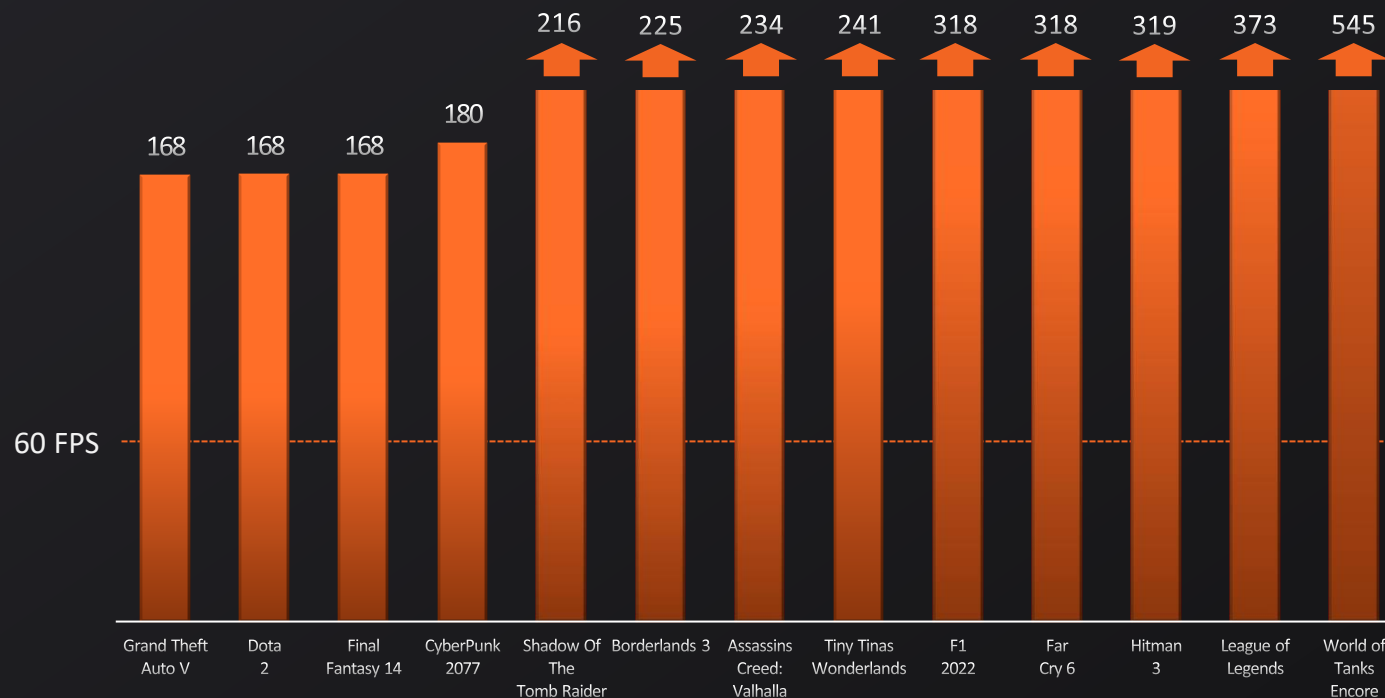
AMD Ryzen 7 8700G with built-in Radeon 780M

Average Frame Rates, 1080p low detail settings (unless otherwise specified), up to

READY TO GROW WITH YOUR GAME

...built ready for a
graphics card upgrade
when you're ready

ENTHUSIAST CLASS GAMING WHEN PAIRED WITH DISCRETE GRAPHICS



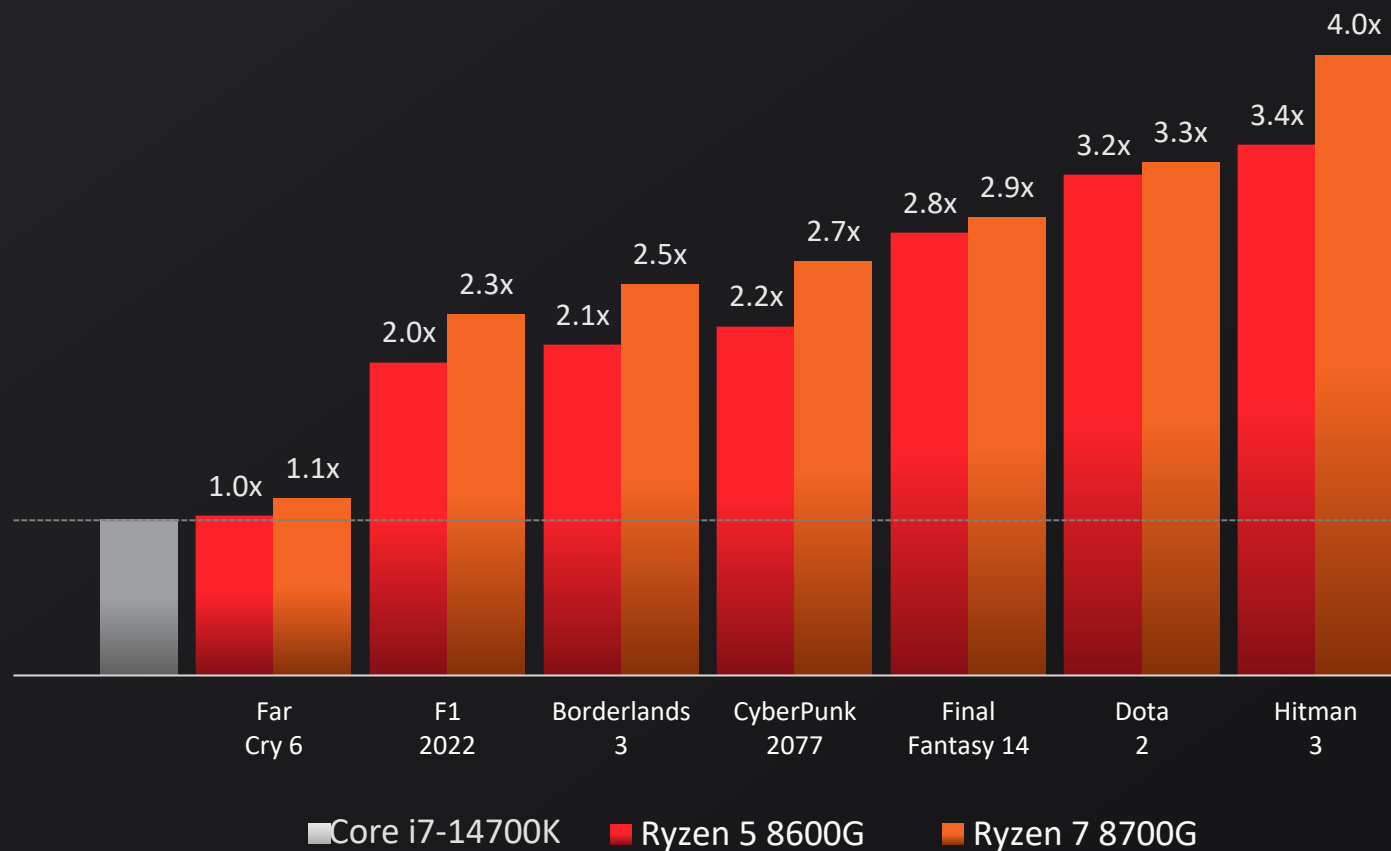
AMD Ryzen 7 8700G with discrete Radeon 7900 XTX
Average Frame Rates, 1080p high detail settings, up to

THE FASTEST DESKTOP PC PROCESSOR GRAPHICS IN THE WORLD

Only AMD can power
this kind of next-gen,
small form factor
desktop gaming with
built-in graphics

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SMOOTH FULL-HD GAMING IN SMALL FORM FACTORS



Average Frame Rates, 1080p low detail settings (unless otherwise specified), up to

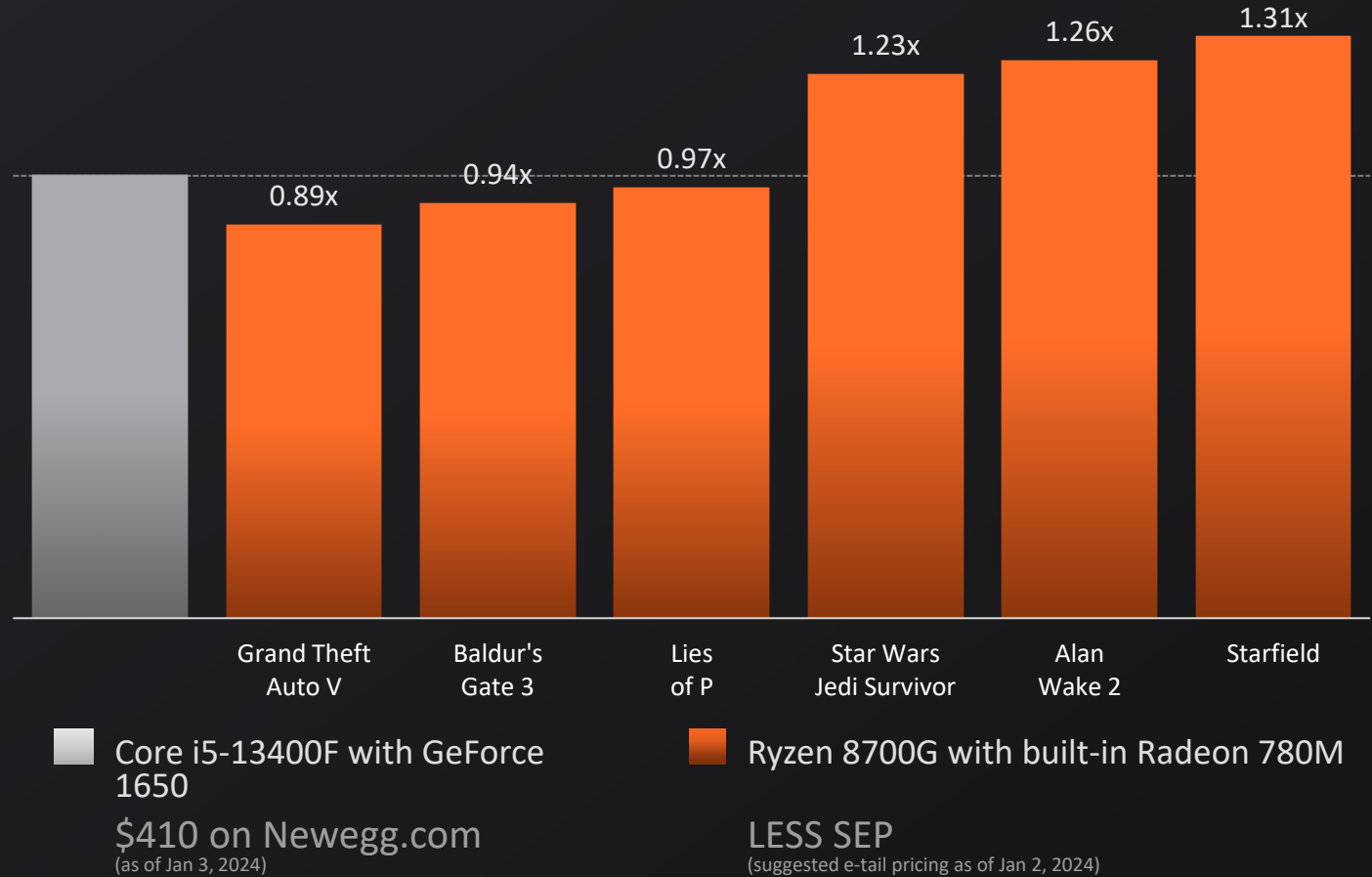
*See endnotes PXD-06

INCREDIBLE GAMING VALUE

Superior game performance compared to a more expensive processor & graphics card combo

SMOOTH FULL-HD GAMING

COMPETITIVE WITH THE CORE I5-13400F & GEFORCE 1650



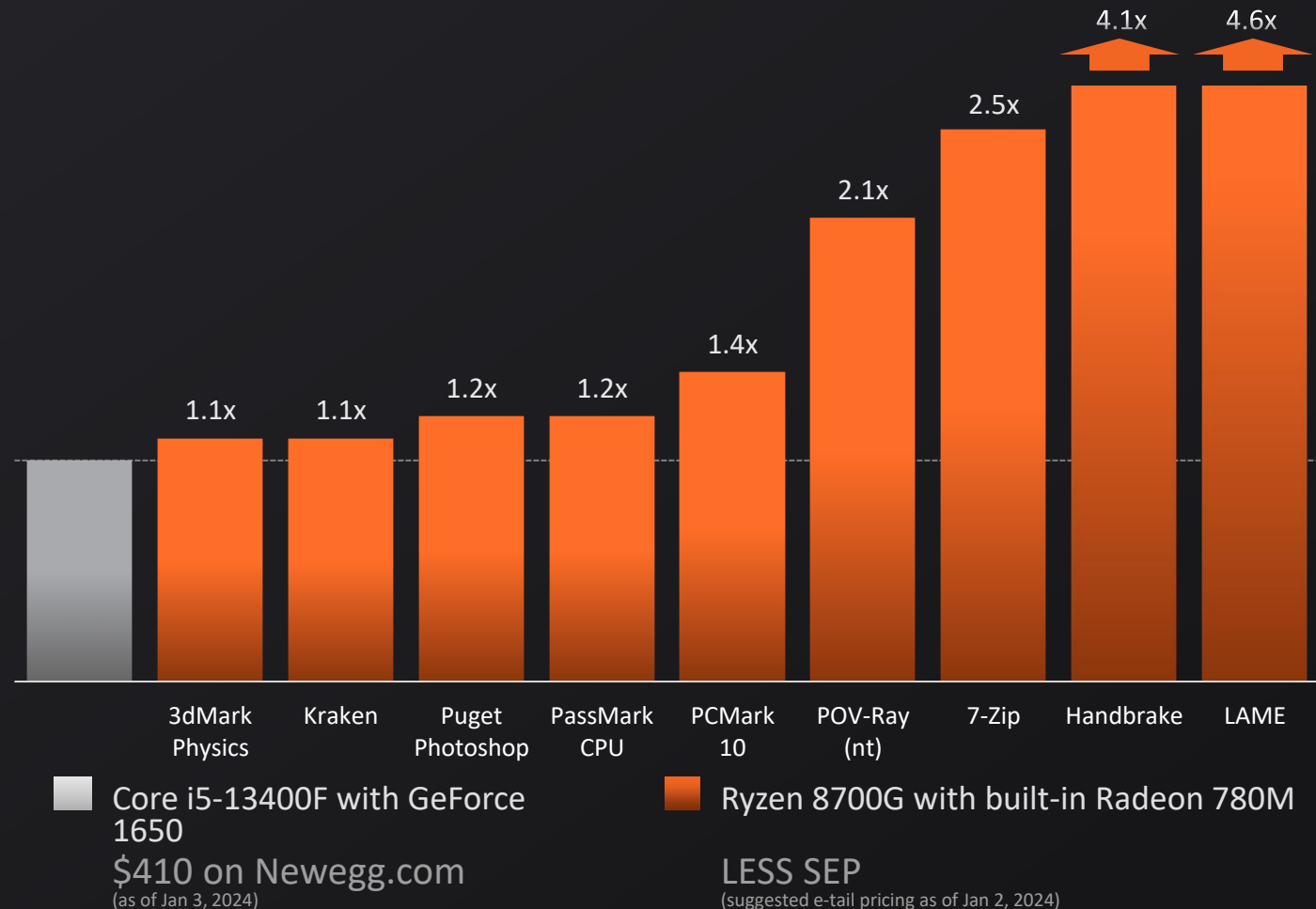
INCREDIBLE PROCESSING VALUE

Superior processor performance compared to a more expensive processor & graphics card combo

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POWERFUL PRODUCTIVITY

COMPETITIVE WITH THE CORE I5-13400F & GEFORCE 1650



Average Frame Rates, 1080p low detail settings (unless otherwise specified), up to

*See endnotes PXD-07

THE WORLD'S FIRST DESKTOP PROCESSOR WITH A DEDICATED AI ENGINE

NPU

AMD 
XDNA™

CPU

AMD 
'ZEN4'

GPU

AMD 
RDNA™ 3

AMD RYZEN AI

Up to a combined 39 TFLOPs
of total processing power

Backed by **the only Pervasive AI Portfolio** in the Industry

DATA CENTER → EDGE → CLIENT



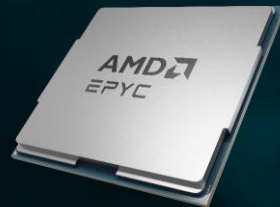
AMD Instinct™
Accelerators

HPC and data center
training and inference



AMD Alveo™
Accelerators

Data center
and edge
inference



4th Gen AMD
EPYC™ Processors

X86 Processor
AI leadership



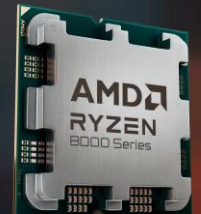
AMD Embedded
Versal™ AI Edge

AI + sensor
embedded
inference



AMD Ryzen™ 8040
Mobile Processors

Ryzen™ AI for
Laptop PCs



AMD Ryzen™ 8000
Desktop Processors

Ryzen™ AI for
Desktop PCs

THE POWER OF AMD RYZEN™ AI

WHY DO WE NEED
THE AI PC?

PERFORMANCE

SECURITY FEATURES

FUTURE COST

EFFICIENCY

OVER 100 AI EXPERIENCES

enabled for AMD Ryzen™ AI AVAILABLE TODAY

4 Features Offered by MICROSOFT STUDIO EFFECTS

AI enabled effects for video conferencing including Standard Blur, Portrait Blur, Eye Gaze correction and Automatic framing

50+ Features Offered by ADOBE

Digital editing tools aimed at enhancing imagery and audio through automated processes, object selection, neural filters, and content-aware functionalities.

25+ Features Offered by TOPAZ LABS

Video & photo processing techniques and algorithms designed to optimize and enhance visual content, ranging from stabilization and cropping to various levels of image quality adjustments.

20+ Features Offered by DAVINCI

Advanced video and audio editing features, including color correction, stabilization, object masking, scene detection, and various effects and enhancements.

50+ Features Offered by

BORIS FX

Video image quality upscaling and denoising

AVID

Make video editing a lot easier using transcription tools

AUDACITY

Cross platform audio editing features

BYTEDANCE

Video Effects

CYBERLINK

Generative image editor

LUMINAR

AI photo editor

ZOOM

Video call effects and background effects

BLENDER

Generative texturing

ARKRUNR

Professional live streaming for creators

OBS Studio

AI green screening, Smart Scene framing

XSPLITVCAM

Smart Camera

MAGIX VEGAS

Image editing and upscaling

* Some features are shared between Apps

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