



# AMD RYZEN<sup>™</sup> PRO 8000 SERIES DESKTOP PROCESSORS

The world's most advanced x86 processors with unparalleled power efficiency for premium business desktops offering unmatched speed and accelerated productivity. Now extending AI leadership to business desktops, AMD Ryzen<sup>™</sup> PRO 8000 Series processors are the first desktops with an integrated AI engine for all new business capabilities powered by AI.



AMD "Zen 4" Architecture

World's most advanced x86 business processor



Leadership power efficiency for business desktop processors



AM5 Socket

Supports processor upgrades for years to come



#### AMD RDNA™ 3 Architecture

Incredibly powerful integrated graphics



AMD Ryzen<sup>™</sup> AI World's first integrated AI engine for business Desktops

See endnote: GD-203, PXD-11, PXD-12, GD-220b, PXD-03

# LEADERSHIP PERFORMANCE VS INTEL 14TH GEN DESKTOP PROCESSORS



# **LEADING POWER EFFICIENCY**







Comparing AMD Ryzen<sup>™</sup> 7 PRO 8700G processor vs Intel core i7-14700 processor both @65W BETTER EFFICIENCY FOR LEADING PRODUCTIVITY APPLICATIONS (1080P CAMERA)

Comparing AMD Ryzen<sup>™</sup> 7 PRO 8700G processor vs Intel core i7-14700 processor both @65W BETTER EFFICIENCY FOR LEADING PRODUCTIVITY APPLICATIONS (4K CAMERA)

Comparing AMD Ryzen<sup>™</sup> 7 PRO 8700G processor vs Intel core i7-14700 processor both @65W

See endnote: PXD-11

AMD together we advance\_



## **ELEVATING COMPUTING FOR GENERATIVE AI**

#### INTRODUCING AMD RYZEN<sup>™</sup> AI FOR BUSINESS DESKTOP

LEADING EDGE PROCESSING FOR SUPERCHARGED AI PCS





## **EXCEEDING 2024 SECURITY REQUIREMENTS FOR MODERN DEVICES**

### AMD RYZEN™ PRO 8000 SERIES PROCESSORS

**DELIVERING MULTI-LAYERED SECURITY FROM HARDWARE. OS TO THE SYSTEM LEVEL** 

• Comes with integrated Microsoft Pluton security delivering chip-to-cloud protection



- AMD Memory Guard helps protect company's sensitive business data when an employee's PC is lost or stolen
- AMD offers outstanding security to enable critical security solutions from OS providers and OEMs



See endnote: GD-202, GD-206, GD-72

# AMD RYZEN™ PRO 8000 SERIES PROCESSOR SPECS VS TO INTEL 14<sup>TH</sup> GEN

AMD RYZEN™ PRO Processors	CORES/ Threads	PROCESS	INTEGRATED AI ENGINE	CONFIG. TDP	AMD PRO Technologies	INTEL CORE ULTRA	CORES/THREADS	PROCESS	INTEGRATED Ai Engine	CONFIG. TDP	INTEL vpro
AMD Ryzen™ 7 PRO 8700G(E)	8C / 16T	4nm	1	65W (35W)	1	Intel Core i7- 14700(T)	8p-cores / 12e-cores / 28T	10nm	×	65W (35W)	Enterprise/ Essentials
AMD Ryzen™ 5 PRO 8600G(E)	6C / 12T	4nm	1	65W (35W)	1	Intel Core i5- 14500(T)	6p-cores / 8e-cores / 20T	10nm	×	65W (35W)	Enterprise/ Essentials
AMD Ryzen™ 5 PRO 8500G(E)	6C / 12T	4nm		65W (35W)	1	Intel Core i5- 14500(T)	6p-cores / 8e-cores / 20T	10nm	×	65W (35W)	Enterprise/ Essentials
AMD Ryzen™ 3 PRO 8300G(E)	4C / 8T	4nm		65W (35W)	1	Intel Core i3- 14100(T)	4p-cores / 0e-cores / 8T	10nm	×	65W (35W)	×

#### VISIT AMD.COM/PARTNER Your source for tools, training, news, reviews, and much more!

PRI-11. Testing as of 3726 / All the AMD Performance on the Ample Silicon, as of Segtember 2023. CD-203. RYZEN 7000 SERIES PRO mobile: Based on a smaller node size of the AMD processor for a business-class x86 platform and a smaller node size when compared to Apple silicon, as of May 2023. CD-203. RYZEN 7000 SERIES PRO mobile: Based on a smaller node size of the AMD processor for a business-class x86 platform and a smaller node size when compared to Apple silicon, as of May 2023. CD-203. RYZEN 7000 SERIES PRO mobile: Based on a smaller node size of the AMD processor for a business-class x86 platform and a smaller node size when compared to Apple silicon, as of May 2023. CD-203. RYZEN 7000 SERIES PRO mobile: RAM (science) Testing and Windows: Therdisessonal (science) and Windows: Th

205. Full system memory encryption with AMD Memory Guard is included in AMD Ryzen PR0. AMD Ryzen PR0. AMD Myzen Threadripper PR0, and AMD Athlon PR0 processors. Requires OEM enablement. Check with the system manufacturer prior to purchase. GD-206. 72. The AMD Secure Processor is a dedicated on-chip security processor integrated within each system-on-a-chip (SoC) and ASIC (Application Specific Integrated Circuit) designed by AMD. It enables secure boot with root of trust anchored in hardware, initializes the SoC through a secure boot flow, and establishes an isolated Trusted Execution or 27.

\*Zen 4\* is a codename only and not an AMD product name. © 2024 Advanced Micro Devices, Inc. All rights reserved. AMD, the AMD Arrow logo, Radeon, RDNA, Ryzen, and combinations thereof are trademarks of Advanced Micro Devices, Inc. Other product names used in this publication are for identification purposes only and may be trademarks of their respective owners. April 2024, PDI#242635509