

# AMD RYZEN™ PRO 7040 SERIES PROCESSOR FOR BUSINESS LAPTOPS

#### POWERING SOME OF THE BEST BUSINESS PCs IN THE WORLD

The world's most advanced processors with unparalleled power efficiency for premium business laptops, with a new revolutionary Al engine providing premium Al collaboration experiences with unmatched battery life advantages, speed, and near-silent operation.



#### 7FN 4

World's Fastest and Most Advanced Business Processor<sup>1,3</sup>



#### 4nn

Incredible power efficiency for business laptop processors



#### **AMD RDNA3**

World's most powerful integrated graphics<sup>1</sup>



#### AMD Ryzen™ Al

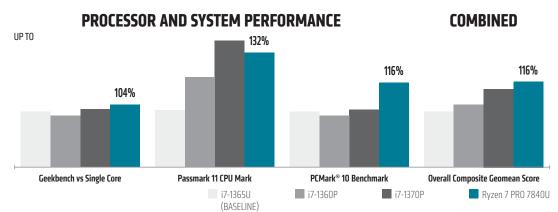
World's first integrated Al engine in an x86 processor<sup>2</sup>

DESIGNED FOR UNCOMPROMISING INNOVATION, SPEED, AND POWER

#### LEADERSHIP PERFORMANCE VS INTEL 13TH GEN

## Faster Performance in Premium Business Laptops<sup>4,5</sup>

- ✓ Superior "Zen 4" architecture
- ✓ 8 high performance cores
- "U Series" provides performance and power efficiency for T&L systems
- Competes against higher power "P Series"



### **BEST-IN-CLASS PRODUCTIVITY AND VIRTUAL COLLABORATION**



Accelerate Performance using MS Office Apps while Running Teams<sup>6</sup>



+









**Teams Video Conference** 

MS Office Apps

12% FASTER
15% LESS POWER
29% BETTER PERF/WATT
(AMD Ryzen PRO 7840U compared to Intel Core i7 1370P)



Teams Battery Life Comparison<sup>7,12</sup>



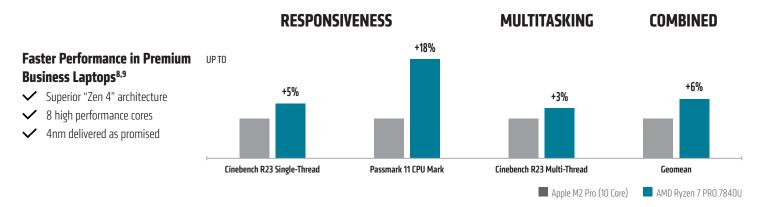
**Teams Video Conference** 

UPTO 70% LONGER BATTERY LIFE
(AMD Ryzen PRO 7840U compared to Intel Core i7 1370P)

**63% LONGER BATTERY LIFE** (AMD Ryzen PRO 7840U compared to Intel Core i7 1365U)

10% LONGER BATTERY LIFE
(AMD Ryzen PRO 7840U compared to Apple M2 Pro processors)

## **LEADERSHIP CPU PERFORMANCE VS APPLE M2 PRO**



## **LEADERSHIP MULTITASKING WITH RYZEN™ AI**

With 8 high-performance cores and AMD Ryzen™ AI, AMD Ryzen™ PRO 7040 series processors accelerate performance using MS Office apps while running Teams conference with all AI effects turned on.



83% FASTER<sup>13</sup> (AMD Ryzen™ 7 PRO 7840U compared to Qualcomm SQ3 processor)



# **COMPETITIVE PROCESSORS**

AMD RYZEN PRO	P* CORES	PROCESS	INTEGRATED AI ENGINE	CONFIG. TDP	AMD PRO Technologies (COMPLETE)
AMD Ryzen™ 9 PRO 7940HS	8P	4nm	$\checkmark$	35-54 W	
AMD Ryzen™ 7 PRO 7840HS	8P	4nm	~	35-54 W	
AMD Ryzen™ 5 PRO 7640HS	6P	4nm	~	35-54 W	
AMD Ryzen™ 7 PRO 7840U	8P	4nm	~	15-28 W	
AMD Ryzen™ 5 PRO 7640U	6P	4nm	~	15-28 W	
AMD Ryzen™ 5 PRO 7540U	6P	4nm		15-28 W	

*P	=	Performance	Cores

COMPARED TO (only the main processors)	P/E* CORES	PROCESS	INTEGRATED AI ENGINE	CONFIG. / Nominal TDP	INTEL vPRO
Intel Core i9-13900H Apple M2 Max	6P,8E 8P,4E	Intel 7 5nm	⊗ ∨	35-115 W 79W	Enterprise
Intel Core i7-13800H/13700H Apple M2 Pro/ M2 Max	6P,8E 8P,4E/8P, 4E	Intel 7 5nm	<b>3 9</b>	35-115 W 30W/79W	Enterprise
Intel Core i5-13600H/13500H	4P, 8E	Intel 7	8	35-95 W	Enterprise/ Essentials
Intel Core i7-1370P/1360P/1355U Apple M2	6P,8E/4P,8E/2P,8E 4P/4E	Intel 7 5nm	<b>⊗</b> ✓	12-64 W 20 W	Enterprise/ Essentials
Intel Core i5-1350P/1340P/ 1335U	4P,8E/ 2P,8E	Intel 7	0	12-64 W	Enterprise/ Essentials
Intel Core i5-1350P/1340P 1335U	4P,8E/ 2P,8E	Intel 7	0	12-64 W	Enterprise/ Essentials

<sup>\*</sup>P = Performance Cores | \*E = Efficiency Cores

## **AMD PROCESSORS PROVIDE**



Leadership **Performance** 



**Ultra Power Efficiency** 



**Most Modern** Security<sup>11</sup>



**Premium Al Experiences** 



Open Standard Based Manageability

It is highly recommended to pair this battlecard with 2023 AMD PRO Technologies for Ryzen PRO Technical Guide which covers the cutting edge security features, robust manageability tools, and enterprise grade stability and reliability that comes in-built with AMD RyzenTM PRO processors. These features together deliver a complete solution for the modern business.

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Esting as of 6/13/22 by BOX Technologies, commissioned by AMU, utilizing an IPF Elitebook 845 GIO with Pyzer PBO 7840U processor (PSA) Integrated Radeon Captinics, 15CB RAM, 11B NMe SSI), Windows 11Pm. Using an average composite geomes on the source in the following benchmark tests: (PI - Geolegench NS Single Core, Cincibench R23 in the following benchmark tests: (PI - Geolegench NS Single Core, Cincibench R23 in the following benchmark tests: (PI - Geolegench NS Single Core, Cincibench R23 in the following benchmark tests: (PI - Geolegench NS Single Core, Cincibench R23 in the following benchmark tests: (PI - Geolegench NS Single Core, Cincibench R23 in the following benchmark tests: (PI - Geolegench NS Single Core, Cincibench R23 in the following benchmark tests: (PI - Geolegench NS Single Core, Cincibench R23 in the following benchmark tests: (PI - Geolegench NS Single Core, Cincibench R23 in the following benchmark tests: (PI - Geolegench NS Single Core, Cincibench R23 in the following benchmark tests: (PI - Geolegench NS Single Core, Cincibench R23 in the following benchmark tests: (PI - Geolegench NS Single Core, Cincibench R23 in the following benchmark tests: (PI - Geolegench NS Single Core, Cincibench R23 in the following benchmark tests: (PI - Geolegench R23 in the following benchmark tests: (PI - Geolegench R23 in the following benchmark tests: (PI - Geolegench R23 in the following benchmark tests: (PI - Geolegench R23 in the following benchmark tests: (PI - Geolegench R23 in the following benchmark tests: (PI - Geolegench R23 in the following benchmark tests: (PI - Geolegench R23 in the following benchmark tests: (PI - Geolegench R23 in the following benchmark tests: (PI - Geolegench R23 in the following benchmark tests: (PI - Geolegench R23 in the following benchmark tests: (PI - Geolegench R23 in the following benchmark tests: (PI - Geolegench R23 in the following benchmark tests: (PI - Geolegench R23 in the following benchmark tests: (PI - Geolegench R23 in the following benchmark tests: (PI - Ge

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