



AMD RYZEN™ PRO 7040U SERIES PROCESSORS

PROCESSOR UPSELL GUIDE (AMD RYZEN™ 5 PRO 7540U TO RYZEN™ 7 PRO 7840U)

POWERING THE BEST AMD BUSINESS PCs IN THE WORLD

Both AMD Ryzen[™] 5 PRO 7540U and Ryzen[™] 7 PRO 7840U processors are considered the world's most advanced processors with unparalleled power efficiency for premium business laptops offering leadership performance, unmatched battery life and efficiency.



World's Fastest and Most Advanced **Business Processor**

See endnote: PHXP-37, GD-203



Incredible power efficiency for business laptop processor



AMD RDNA™ 3

World's most powerful integrated graphics

See endnote: PHXP-37

DESIGNED FOR UNCOMPROMISING INNOVATION. SPEED. AND POWER

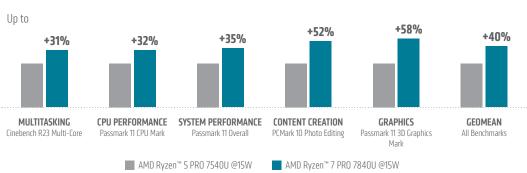
UPGRADE FROM RYZEN™ 5 TO RYZEN™ 7 FOR ABSOLUTE POWERHOUSE PERFORMANCE

UPGRADE TO RYZEN™ 7 FOR FASTER PERFORMANCE IN PREMIUM BUSINESS LAPTOPS

Both with superior "Zen 4" architecture Upgrade from 6 to 8 high performance cores Upgrade from up to 4.9GHz to up to 5.1GHz Upgrade from 22MB to 24MB total cache

See endnote: GD-150

PROCESSOR AND SYSTEM PERFORMANCE



See endnote: PHXP-67

UPGRADE FROM RYZEN™ 5 TO RYZEN™ 7 FOR LEADING BATTERY LIFE AND POWER EFFICIENCY

Up to

22% BETTER BATTERY LIFE FOR MICROSOFT TEAMS CONFERENCING

When comparing the AMD Ryzen™ 5 PRO 7540U and the AMD Ryzen™ 7 PRO 7840U processor



See endonte: PHXP-68

BOTH DESIGNED FOR POWER EFFICIENCY

When running typical office productivity applications users can expect to consume:

Up to

o LESS POWER

When comparing the AMD Ryzen™ 5 PRO 7540U and the AMD Ryzen™ 7 PRO 7840U processor

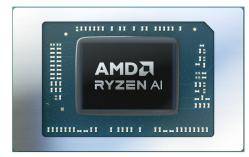
See endonte: PHXP-69



INTRODUCING AMD RYZEN™ AI

WORLD'S FIRST INTEGRATED AI ENGINE IN AN X86 PROCESSOR

- **Optimized AI workloads** for incredible system efficiency
- Up to **4 concurrent Al streams** for real-time multi-tasking
- Processes up to 10 trillion Al Operations Per Second
- Experience **on-device AI** every day on business laptops



See endnote: PHX-3, PHXP-57

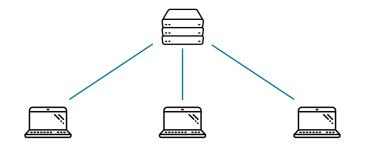
BOTH RYZEN™ 5 AND RYZEN™ 7 DELIVER INCREDIBLY MODERN SECURITY FEATURES

AMD PRO TECHNOLOGIES

A complete set of features that are essential to modern business. SMBs, enterprise businesses, IT admins, and general office workers can take advantage of cutting-edge security features, robust manageability tools, and enterprise-grade stability and reliability as part of AMD PRO technologies.

AMD PRO SECURITY:

Provides innovative layers of defense at the silicon, OS, and platform levels to give IT teams comprehensive security features for the entire system





See endnote: GD-206, GD-72

- OEM SECURITY FEATURES
- WINDOWS® 11 SECURITY Secured-Core PC Hardware Enforced Stack Protection
- AMD MEMORY GUARD Microsoft Pluton Security
- AMD SECURE PROCESSOR FIPS 140-3 Level 1 and Level 2* Certification
- AMD "ZEN 3" ARCHITECTURE AMD Shadow Stack
- YOUR DATA

* FIPS 140-3 implementation under test

AMD PRO BUSINESS READY:

Provides a robust manageability feature set that simplifies deployment, imaging, and management of an ever-growing and changing fleet.

AMD SECURE PROCESSOR:

Dedicated security processor that validates code before it is executed to help ensure data and application integrity



planned software stability



planned availability



AMD RYZEN™ PRO 7040 SERIES PROCESSORS (7540U VS 7840U)

AMD RYZEN™ PRO	PERFORMANCE CORES	PROCESS	INTEGRATED AI ENGINE	TOTAL CACHE SIZE	TDP	AMD PRO TECHNOLOGIES
AMD Ryzen™ 7 PRO 7840U	8P	4nm	✓	24 MB	15 - 28 W	✓
AMD Ryzen™ 5 PRO 7540U	6P	4nm		22 MB	15 - 28 W	✓

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1. Testing as of 6/13/23, by 800X Technologies, commissioned by AMD, utilizing an HP EliteBook 845 CIO with Ryzen PRO 7840U processor @15W, Integrated Radeon Graphics, 16GB RAM, 11B NVMe SSD, Windows 11 Pro, versus a similarly configured Dell Latitude 5440 with an Intel Core i7-1365U processor @15W, Integrated graphics, 512CB NVMe SSD, Windows 11 Pro, versus a similarly configured Dell Latitude 5440 with an Intel Core i7-1365U processor @15W, Integrated graphics, 510CB NVMe SSD, Windows 11 Pro, versus a similarly configured Dell Latitude 5440 with an Intel Core i7-1365U processor @15W, Integrated graphics, 510CB NVMe SSD, Windows 11 Pro, versus a similarly configured Dell Latitude 5440 with an Intel Core i7-1365U processor @15W, Integrated Radeon Graphics, 510CB NVMe SSD, Windows 11 Pro, versus a similarly configured Dell Latitude 5440 with an Intel Core i7-1365U processor @15W, Integrated Radeon Graphics, 510CB NVMe SSD, Windows 11 Pro, versus a similarly configured Dell Latitude 5440 with an Intel Core i7-1365U processor @15W, Integrated Radeon Graphics, 510CB NVMe SSD, Windows 11 Pro, versus a similarly configured Dell Latitude 5440 with an Intel Core i7-1365U processor integrated Radeon Graphics, 510CB NVMe SSD, Windows 11 Pro, versus a similarly configured Dell Latitude 5440 with an Intel Core i7-1365U processor integrated Radeon Graphics, 510CB NVMe SSD, Windows 11 Pro, versus a similarly configured Dell Latitude 5440 with an Intel Core i7-1365U processor, integrated Radeon Graphics, 510CB NVMe SSD, Windows 11 Pro and an HP EliteBook 845 CIO with Ryzen 5 PRO 7540U processor, Integrated Radeon Graphics, 32CB RVM, 510CB NVMe SSD, Windows 11 Pro and an HP EliteBook 845 CIO with Ryzen 5 PRO 7540U processor, Integrated Radeon Graphics, 32CB RVM, 510CB NVMe SSD, Windows 11 Pro and an HP EliteBook 845 CIO with Ryzen 7 PRO 7540U processor, Integrated Radeon Graphics, 32CB RVM, 510CB NVMe SSD, Windows 11 Pro and an HP EliteBook 845 CIO with Ryzen 7 PRO 7540U processor, Integrated Radeon Graphics, 32CB RVM, 510CB N

- yielding different results. Results may vary. PMD-67
 Based on internal testing by AMD Engineering as of 10/27/23 Battery life results evaluated by operation of a nine-participant Microsoft Teams video conference on battery. System configuration for AMD systems run from power level 100% > 5% @FSDnits brightness and power mode set to "power efficiency," System configuration for AMD Rystems configuration for AMD Rystems configuration for AMD Rystems (FIG. AMD Battero (Eaphics, 32G.B RAM, 52G.B NIMe SSD, Windows 11 Po and STWh battery. System configuration for AMD Rystem PRO 7860L HP Elitebook 845 Cit. 32G.B RAM, 52G.B NIMe SSD, Windows 11 Po and STWh battery. System configuration for AMD Rystem PRO 7860L HP Elitebook 845 Cit. 32G.B RAM, 52G.B NIMe SSD, Interparted Radeon graphics, Vindows 11 Po and STWh battery. System configuration for AMD Rystems PRO 7860L HP Elitebook 845 Cit. 32G.B RAM, 52G.B NIMe SSD, Interparted Radeon graphics, Windows 11 Po and STWh battery. System configuration for AMD Rystems PRO 7860L HP Elitebook 845 Cit. 32G.B RAM, 52G.B NIMe SSD, Interparted Radeon graphics, Windows 11 Po and STWh battery. System configuration for AMD Rystems PRO 7860L HP Elitebook 845 Cit. 32G.B RAM, 52G.B NIME SSD, Interparted Radeon graphics, Windows 11 Po and STWh Battery. System configuration for AMD Rystems PRO 7860L HP Elitebook 845 Cit. 32G.B RAM, 52G.B NIME SSD, Interparted Radeon graphics, Windows 11 Po and STWh Battery. System configuration for AMD Rystems PRO 7860L HP Elitebook 845 Cit. 32G.B RAM, 52G.B NIME SSD, Interparted Radeon graphics, Vindows 11 Po and STWh Battery. System configuration for AMD Rystems PRO 7860L HP Elitebook 845 Cit. 32G.B RAM, 52G.B NIME SSD, Interparted Radeon graphs. System Systems PRO 7860L HP Elitebook 845 Cit. 34G.B RAM, 52G.B NIME SSD, Interparted Radeon Rystems PRO 7860L HP Elitebook 845 Cit. 34G.B RAM, 52G.B NIME SSD, Interparted Radeon Rystems PRO 7860L HP Elitebook 845 Cit. 34G.B RAM, 52G.B NIME SSD, Interparted Radeon Rystems PRO 7860L HP Elitebook 845 Cit. 34G.B RAM, 5

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