

# The Rise of High-End ARM-Based Windows Laptops with Snapdragon Processors

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A few months ago I wrote an article about the coming future of ARM processors in Windows computers. I figured now would be a great time to revisit this topic since this first wave of high-end Windows laptops powered by ARM processors, specifically Qualcomm's Snapdragon series, are making significant waves. These laptops are not just about sleek designs and portability; they promise a blend of performance, battery efficiency, and cutting-edge features that are set to redefine the user experience.

At the forefront of this revolution are the Snapdragon X Elite and Snapdragon X Plus processors. These chips, built on the ARM architecture similar to processors found in phones and tablets, are designed to deliver exceptional performance while maintaining energy efficiency. The Snapdragon X Elite, for instance, boasts 12 cores, a powerful Adreno GPU, and a Hexagon NPU to accelerate generative AI experiences, making it a powerhouse for both productivity and entertainment. This combination ensures that users can enjoy seamless multitasking, high-quality graphics, and advanced AI capabilities without compromising on battery life.

The integration of AI-driven features like Microsoft Copilot is another highlight. With the Snapdragon X Elite and X Plus processors, users can take advantage of advanced AI functionalities such as real-time language translation, enhanced security features, and intelligent power management. These capabilities are powered by the Neural Processing Unit (NPU) within the Snapdragon chips that's optimized for AI.

These new laptops are set to compete head-to-head with traditional Intel- and AMD-powered devices. Early benchmarks indicate that the Snapdragon X Elite and X Plus processors can match or even surpass the performance of many current Intel Core Ultra laptops while featuring far superior battery life. This marks a significant shift in the market, offering consumers more choices and driving innovation across the industry.

Windows for ARM-based Windows laptops with Snapdragon processors are offering a compelling mix of performance, efficiency, and innovative features. As these devices continue to roll out, they are likely to become a popular choice for users seeking the best of both worlds: power and great battery life.

Keep in mind that most appraisal software on the market today is compiled to run on 32-bit Intel and AMD based computer systems. To get the full benefit of these new processors, you'll need to run software designed to run "bare metal" directly on a 64-bit ARM processor. Presently, the

only major forms software package designed to operate “bare metal” on 32-bit and 64-bit Intel and AMD processors as well as 64-bit ARM processors is Appraise-It Pro from SFREP.

Here are my picks for the best new Snapdragon based Windows laptops along with their Best Buy SKU numbers that you can plug into their website search for current specs and pricing:

Samsung Galaxy Book4 Edge  
Best Buy SKU: 6583788  
\$1150

Lenovo Yoga Slim 7x  
Best Buy SKU: 6582538  
\$1200

Microsoft Surface Laptop - \*\* My Recommendation \*\*  
Best Buy SKU: 6582819  
\$1400

HP OmniBook X  
Best Buy SKU: 6583279  
\$900