

# Samsung Galaxy Book2 Pro

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**Samsung Galaxy Book2 Pro** The Samsung Galaxy Book2 Pro is a lightweight and powerful laptop designed for productivity, entertainment, and portability. It was released as part of Samsung's 2022 lineup, succeeding the Galaxy Book Pro.

## Design and Portability:

- Ultra-thin and lightweight design, making it highly portable.
- Available in two sizes: 13.3-inch and 15.6-inch.
- Sleek aluminum chassis with a premium finish.

## Display:

- Super AMOLED touchscreen display with vibrant colors and deep blacks.
- Full HD (1920 x 1080) resolution.
- Bright and sharp visuals, ideal for media consumption and creative work.

## Performance:

- Powered by Intel 12th Gen Core processors (i5 or i7 options).
- Integrated Intel Iris XE graphics for smooth performance in everyday tasks and light gaming.
- Up to 32GB LPDDR5 RAM and 1TB NVME SSD storage for fast multitasking and ample storage.

## Battery Life:

- Long-lasting battery (up to 21 hours on the 13.3-inch model, depending on usage).
- Supports fast charging.

## Connectivity:

- Wi-Fi 6E and Bluetooth 5.1 for fast and reliable wireless connections.
- Thunderbolt 4 port for high-speed data transfer and external display support.
- Additional ports: USB-C, USB-A, HDMI, microSD card reader, and a 3.5mm headphone jack.

## Operating System:

- Comes with Windows 11 Home pre-installed.

## Additional Features:

- Fingerprint sensor integrated into the power button for secure login.
- Backlit keyboard for comfortable typing in low-light conditions.
- AKG-tuned stereo speakers with Dolby ATMOS for immersive audio.
- Includes Samsung's ecosystem integration (e.g., seamless connectivity with Galaxy smartphones and tablets).

## Pros

- Lightweight and portable, ideal for on-the-go users.
- Stunning AMOLED display with excellent color accuracy.
- Strong performance for everyday tasks and light creative work.
- Good battery life and fast charging.

## Cons

- Limited GPU performance for heavy gaming or professional-grade graphics work.
  - No option for a higher-resolution display (QHD or 4K).
  - Webcam quality is average (720p).
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## Target Audience

The Samsung Galaxy Book2 Pro is perfect for:

- Users who prioritize display quality for media consumption.
- Those already invested in the Samsung ecosystem (e.g., Galaxy smartphones, tablets, or earbuds).

## Performance in Detail

### Processor:

- The Galaxy Book2 Pro is equipped with Intel 12th Gen Alder Lake processors, which feature a hybrid architecture (Performance and Efficiency cores). This allows for better multitasking and power efficiency.

### Options include:

- Intel Core i5-1240P (12 cores, 16 threads)
- Intel Core i7-1260P (12 cores, 16 threads)
- These processors are well-suited for everyday tasks like web browsing, office work, and light content creation.

### Graphics:

- Integrated Intel Iris XE graphics is capable of handling light gaming (e.g., indie games or older titles) and basic photo/video editing.
- Not designed for AAA gaming or GPU-intensive tasks like 3D rendering.

### RAM and Storage:

- RAM options: 8GB, 16GB, or 32GB LPDDR5 (fast and power-efficient).
- Storage options: 256GB, 512GB, or 1TB NVME SSD (blazing-fast read/write speeds).

### Thermal Management:

- The laptop uses a fan Less or low-noise cooling system, which keeps it quiet but may throttle performance under heavy workloads.

## Software and Ecosystem Integration

### Windows 11 Home:

- Comes pre-installed with Windows 11, offering a modern interface, improved multitasking features, and better touchscreen support.

### **Samsung Ecosystem:**

- Samsung Multi Control: Allows you to control your Galaxy smartphone or tablet directly from the laptop using the trackpad and keyboard.
- Second Screen: Use your Galaxy tablet as a secondary display for the laptop.
- Quick Share: Easily share files between Samsung devices.
- Samsung Notes Integration: Sync notes between your Galaxy devices and laptop.

### **Pre-installed Apps:**

- Includes Samsung-specific apps like Samsung Gallery, Samsung Notes, and SmartThings for device management.
- Some bloatware may be present, but most apps can be uninstalled.

### **Use Cases**

#### **For Students:**

- Lightweight and portable, making it easy to carry between classes.
- Long battery life ensures it lasts through a full day of lectures and study sessions.
- Great for note-taking, research, and multimedia projects.

#### **Professionals:**

- Ideal for business travelers due to its slim design and long battery life.
- Handles office applications, video conferencing, and multitasking with ease.
- AMOLED display is great for presentations and media consumption.

#### **Creators:**

- Suitable for light photo editing, video editing, and graphic design thanks to the vibrant AMOLED display.
- Not recommended for heavy 4K video editing or 3D rendering due to the lack of a dedicated GPU.

#### **Casual Users:**

- Excellent for streaming, browsing, and light gaming.
- Seamless integration with Samsung Galaxy devices enhances the user experience.

### **Upgradeability**

- Storage can potentially be upgraded, but it requires opening the laptop, which may void the warranty.

### **Accessories**

### **Samsung Galaxy Book2 Pro 360:**

- A 2-in-1 convertible version of the Galaxy Book2 Pro with a 360-degree hinge and S Pen support.
- Ideal for users who want a tablet-like experience.

### **Samsung S Pen:**

- Sold separately for the Galaxy Book2 Pro 360.
- Great for note-taking, drawing, and precise input.

### **External Monitor:**

- Use the Thunderbolt 4 port to connect to a 4K external monitor for a dual-screen setup.

### **Common Complaints**

#### **720p Webcam:**

- The webcam quality is mediocre, which may be a drawback for frequent video conferencing users.

#### **No Dedicated GPU:**

- Not suitable for gaming or professional-grade creative work.

#### **Soldered RAM:**

- Lack of upgradeability may be a downside for users who want future-proofing.

### **Should You Buy It?**

The Samsung Galaxy Book2 Pro is an excellent choice if:

- You prioritize portability and battery life.
- You want a stunning AMOLED display for media consumption.
- You're already part of the Samsung ecosystem.
- However, if you need:
  - A dedicated GPU for gaming or creative work.
  - A higher-resolution display (QHD or 4K).
  - More upgradeability options.

### **Real-World Performance Benchmarks**

Here's how the Galaxy Book2 Pro performs in common tasks and benchmarks:

#### **General Productivity:**

- Handles multitasking (e.g., 20+ Chrome tabs, Microsoft Office apps, and video streaming) with ease.
- RAM management is efficient, especially with 16GB or 32GB configurations.

### **Creative Work:**

- Photo Editing: Works well with Adobe Lightroom and Photoshop for light to medium editing.
- Video Editing: Capable of 1080p video editing in Da Vinci Resolve or Adobe Premiere Pro, but may struggle with 4K timelines.
- Rendering: Not ideal for 3D rendering or heavy After Effects work due to the lack of a dedicated GPU.

### **Gaming:**

Intel Iris XE Graphics can handle light gaming:

- League of Legends: 60+ FPS at 1080p medium settings.
- Minecraft: 60+ FPS at 1080p high settings.
- AAA Titles: Struggles with modern AAA games (e.g., Cyberpunk 2077 or Elden Ring) even at low settings.
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### **Benchmark Scores:**

- Geek bench 5 (CPU):
  - Intel Core i5-1240P: ~1,500 (Single-core), ~8,000 (Multi-core).
  - Intel Core i7-1260P: ~1,700 (Single-core), ~9,500 (Multi-core).
  - Cine bench R23 (CPU):
  - Intel Core i5-1240P: ~1,500 (Single-core), ~8,500 (Multi-core).
  - Intel Core i7-1260P: ~1,700 (Single-core), ~10,000 (Multi-core).
  - 3DMark Time Spy (GPU):
  - Intel Iris XE Graphics: ~1,500 (suitable for light gaming and basic graphics tasks).
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