

## iPhone 17 Pro Max – Full Official 2025 Specifications & What They Mean

The iPhone 17 Pro Max is the flagship smartphone from Apple for 2025. Officially revealed on September 9, 2025, it brings together a major leap in performance, display, camera, battery and materials. For anyone looking for the most powerful iPhone yet, this model defines what “Pro Max” stands for in 2025. In this article we review all the official specs and what they mean in real-world use.

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### Release date, price and storage options

The iPhone 17 Pro Max was announced by Apple on September 9, 2025, with market availability beginning September 19, 2025.

The base configuration starts at 256 GB storage. Higher tiers include 512 GB, 1 TB, and — for the first time — a massive 2 TB option.

The launch price for iPhone 17 Pro Max begins at USD 1,199 (for base storage), matching the pricing strategy of prior Pro Max models.

### Design, materials and durability

Visually, iPhone 17 Pro Max continues Apple's refined aesthetic with a sleek aluminum unibody chassis. Both front and rear are protected by the new “Ceramic Shield 2,” offering significantly improved scratch resistance and durability.

In line with Apple's environmental goals, the device is built using recycled materials — including recycled cobalt in the battery and recycled gold plating on circuit boards — and its packaging is 100% fiber-based for easier recycling.

### Display: big, bright and adaptive

The screen on iPhone 17 Pro Max is a 6.9-inch Super Retina XDR OLED display delivering edge-to-edge coverage. It has a resolution of 2868 × 1320 at 460 ppi.

Display features include “Dynamic Island,” Always-On display, ProMotion adaptive refresh up to 120 Hz, HDR support, True Tone color adjustment, and broad P3 wide color gamut.

Brightness is robust — typical 1000 nits, HDR peak 1600 nits, and up to 3000 nits peak for outdoor use. The contrast ratio is rated at 2,000,000:1 (typical).

These display specs make iPhone 17 Pro Max ideal for multimedia, video editing, gaming, outdoor use and any high-end content consumption or creation.

### Performance: A19 Pro chip and Apple Intelligence

At the heart of iPhone 17 Pro Max lies the new A19 Pro chip — Apple's next-generation silicon for 2025. It pairs a 6-core CPU (with two high-performance cores and four efficiency cores) with a 6-core GPU enhanced by Neural Accelerators, and a 16-core Neural Engine.

This hardware enables not only faster processing and graphics performance, but also advanced machine-learning and AI-powered features under the umbrella of "Apple Intelligence." That means smarter photo and video processing, enhanced on-device AI tasks, and smoother multitasking.

For demanding users — video editors, mobile gamers, creative professionals — iPhone 17 Pro Max is built to handle heavy workloads without breaking a sweat.

### **Cameras: 48 MP Pro Fusion system with long-range telephoto**

One of the headline upgrades for iPhone 17 Pro Max is its camera system. The phone sports a 48 MP Pro Fusion triple-camera setup, each lens now 48 MP: main, ultra-wide, and telephoto.

- Fusion Main: 24 mm equivalent, f/1.78 aperture, second-generation sensor-shift optical image stabilization, 100% Focus Pixels. Supports high-resolution shots at 24 MP and 48 MP.

- Fusion Ultra Wide: 13 mm, f/2.2 aperture, 120° field of view, Hybrid Focus Pixels, allows wide-angle shots and high-res ultra-wide photos at 48 MP.

- Fusion Telephoto: 100 mm (4×), f/2.8 aperture, 3D sensor-shift optical image stabilization and autofocus, tetraprism design. This lens supports 4× native optical zoom. Additionally, via Apple's Fusion camera feature, it enables 8× (200 mm) optical-quality zoom, giving a total zoom range — optical-quality — up to 16×. Digital zoom reaches up to 40×.

Beyond hardware, the iPhone 17 Pro Max brings advanced computational photography: support for Smart HDR 5, Deep Fusion, Night Mode, Portrait Mode with advanced Depth Control, Portrait Lighting, ProRAW, panoramic shots up to 63 MP, macro photography at 48 MP, spatial photos, lens correction, burst mode, live photos, and more.

Such a versatile camera system makes this iPhone ideal for photographers, content creators, travellers and anyone who wants professional-grade photos and videos straight from a smartphone.

### **Battery, charging and autonomy**

Apple says the internal redesign of iPhone 17 Pro Max allows for a significantly larger battery — the largest ever in an iPhone.

Officially, video playback time on a full charge reaches up to 39 hours; streamed video up to 35 hours.

For charging: the phone supports fast charging — up to 50 % in 20 minutes when using a high-wattage USB-C adapter (40 W or higher) or up to 50 % in 30 minutes with a MagSafe charger or other supported wireless chargers.

Also supported are MagSafe wireless charging up to 25 W and Qi2 wireless charging up to 25 W.

For most users, this translates to all-day battery life even under heavy usage — video, photo, browsing, etc. — and convenient fast charging when needed.

### **Connectivity, wireless and sensors**

iPhone 17 Pro Max offers comprehensive connectivity: 5G — both sub-6 GHz and mmWave — Gigabit LTE, Wi-Fi 7 (802.11be) with 2x2 MIMO, Bluetooth 6, Thread support, updated Ultra Wideband (UWB) chip, NFC including reader mode, and support for Express Cards (with power reserve).

For location services: the phone includes dual-frequency GPS (GPS, GLONASS, Galileo, QZSS, BeiDou, NavIC), digital compass, Wi-Fi, cellular and iBeacon microlocation support.

Physical SIM cards are not supported — the iPhone 17 Pro Max uses dual active eSIMs and can store eight or more eSIMs.

Standard Apple features like Face ID with TrueDepth front camera (Center Stage), LiDAR scanner, proximity sensor, ambient light sensors, accelerometer, gyroscope, barometer and more are also built in.

### **Software features, special capabilities and use cases**

With the A19 Pro chip and the integration of “Apple Intelligence,” iPhone 17 Pro Max is built for what’s next — smarter features, better privacy, and enhanced user experience.

Features like on-device AI, improved camera processing, smarter photo/video tools, and overall system responsiveness mean this iPhone isn't just about hardware — it's about entirely new capabilities. Users who edit video, shoot photos, multitask or rely heavily on productivity will notice the difference.

Furthermore, the improved battery life, fast charging, and high-performance hardware make it perfect for demanding tasks like video editing, mobile gaming, or prolonged usage. The large, bright display is a strong plus for creative work, entertainment, or outdoor use.

### Why iPhone 17 Pro Max matters—and who it's for

By combining a large, top-tier display, a professional-grade camera setup, powerful hardware, and excellent battery life, iPhone 17 Pro Max becomes a flagship device not just for everyday users — but for professionals. Photographers, videographers, content creators, mobile gamers, and power-users will get the most out of this phone.

At the same time, for consumers who simply want a long-lasting, future-proof smartphone with top-notch performance and Apple's strongest ecosystem — this is the iPhone to go for in 2025. The 2 TB storage option also makes it ideal for those who keep large media libraries or capture a lot of video.

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### Conclusions

The iPhone 17 Pro Max sets a new benchmark for what a flagship smartphone can be. It brings together a large, beautiful display, a cutting-edge camera system, powerful performance, long battery life and future-oriented connectivity — all wrapped in a durable, environmentally conscious design. For anyone seeking the ultimate iPhone experience in 2025, this model delivers on all fronts.

Whether you're a creative professional, a heavy user, or just someone who wants the best Apple has to offer — iPhone 17 Pro Max is Apple's most advanced iPhone yet. It is clearly built to cater to the demands of the next several years.