

iPhone 17 Pro Max Specs 2025 — Everything You Need to Know

The new , unveiled by in 2025, represents the company's latest flagship smartphone. It brings substantial upgrades across display, performance, camera, battery life, and connectivity — setting a new benchmark for what an iPhone can do. Below is a comprehensive and up-to-date breakdown of its technical specifications and key features, based on Apple's official data for 2025.

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Display and Design

iPhone 17 Pro Max features a 6.9-inch Super Retina XDR OLED display. The screen resolution is 2868 × 1320 pixels at 460 ppi, delivering sharp, vivid visuals.

The display supports Adaptive ProMotion with refresh rate up to 120 Hz, Always-On display, HDR, True Tone, wide color (P3), and Haptic Touch. It also includes Dynamic Island for seamless integration of notifications and ongoing activity indicators.

For brightness and visibility, the iPhone 17 Pro Max reaches up to 3000 nits peak brightness outdoors — one of the highest for any iPhone — and supports high contrast (approx. 2,000,000:1). The screen is also protected with “Ceramic Shield 2” upfront and Ceramic Shield on the back, giving improved scratch resistance and overall durability.

As for build and form factor: the dimensions are 163.4 mm height x 78.0 mm width x 8.75 mm thickness, and weight is 231 grams. The device uses an aluminum unibody, and the back panel is as protected as the front.

Overall, Apple's design choices make the iPhone 17 Pro Max not only visually striking but also rugged and practical — a balanced combination for everyday use as well as demanding tasks.

Performance: A19 Pro and Next-Gen Hardware

Under the hood, the iPhone 17 Pro Max is powered by the new chip. It features a 6-core CPU (2 performance cores + 4 efficiency cores), a 6-core GPU with dedicated neural accelerators, and a 16-core Neural Engine.

Thanks to this hardware — combined with Apple's new vapor-chamber thermal design and optimized power management in — the iPhone 17 Pro Max supports sustained high performance far beyond previous generations. This makes it ideal for heavy workloads, gaming, intensive graphics, and even AI-driven tasks.

Connectivity gets a major boost too: the device supports 5G (both sub-6GHz and mmWave where available), a broad range of LTE bands, and backward compatibility for GSM/EDGE, HSPA+/UMTS — meaning it's ready for global use.

Wireless networking is upgraded as well. The iPhone 17 Pro Max incorporates a new wireless-networking chip (N1), enabling Wi-Fi 7, Bluetooth 6, and support for smart-home mesh networking through Thread. This ensures future-proof connectivity, faster data transfer, and improved reliability.

Camera System: Pro-Level Photography & Video

One of the biggest leaps with iPhone 17 Pro Max is its rear camera system, described by Apple as “Pro Fusion” — a trio of 48 MP cameras (Main, Ultra Wide, Telephoto) that together offer unprecedented versatility.

Key camera specs:

- Main 48 MP: 24 mm, f/1.78, second-generation sensor-shift optical stabilization, 100% Focus Pixels — capable of generating both 24 MP and full 48 MP images.
- Ultra Wide 48 MP: 13 mm, f/2.2, 120° field of view, Hybrid Focus Pixels — great for landscapes, architecture, and wide-angle shots.
- Telephoto 48 MP: 100 mm (4× optical) with hybrid stabilization and autofocus; supports “telephoto boost” to 200 mm (8× optical-quality) for long-range shots.

Overall, the system offers up to 16× optical-quality zoom range, 8× optical zoom in, 2× optical zoom out, and digital zoom up to 40×. That makes it arguably the most flexible camera package any iPhone has had, capable of everything from ultra-wide environmental photography to distant subjects with clarity. Photos benefit from Apple’s Photonic Engine, Deep Fusion, Smart HDR 5, improved night mode, portrait mode with depth control, advanced red-eye correction, lens correction, panorama up to 63 MP, macro photography, ProRAW support, and more.

On the front, the iPhone 17 Pro Max includes a new 18 MP “Center Stage” camera with autofocus and TrueDepth support. This enables Face ID, superior selfies, stabilized video calls, and better video capture.

Video capabilities are professional-grade. The phone supports ProRes video (including ProRes RAW), Dolby Vision HDR recording (4K up to 60 fps, 1080p up to 60 fps), cinematic mode, time-lapse with stabilization, night-mode time-lapse, slo-mo (1080p 120 fps), dual capture (front + back), spatial audio and stereo recording — making the iPhone 17 Pro Max a powerful tool for creators, filmmakers, and content producers.

Battery, Charging and Practical Features

Apple does not publish an official mAh battery number, but states that the iPhone 17 Pro Max supports up to 39 hours of video playback (local) or 35 hours when streamed — a substantial endurance improvement.

Fast charging is supported: the phone can reach 50% charge in 20 minutes using a 40W (or higher) USB-C adapter (sold separately), or in 30 minutes when using a 30W (or higher) MagSafe charger.

For ruggedness and everyday reliability, iPhone 17 Pro Max carries an IP68 rating — resistant to water and dust, supporting immersion up to 6 meters for 30 minutes. It also includes standard iPhone safety and convenience features such as Face ID (via TrueDepth front camera), satellite-based Emergency SOS, Crash Detection, and Find My network support.

Storage, Colors and Build Options

The iPhone 17 Pro Max is available in storage capacities of 256 GB, 512 GB, 1 TB, and — for the first time on an iPhone — 2 TB. This offers plenty of space for photos, videos, apps, and large files, making it ideal for power users, creatives, and professionals.

Color options include Cosmic Orange, Deep Blue (or “Dark Blue”), and Silver. The build uses an aluminum unibody frame with front and back protected by Apple’s Ceramic Shield glass, combining premium feel with improved durability.

Who Should Consider iPhone 17 Pro Max

If you demand the very best from a smartphone — top performance for gaming and heavy tasks, professional-grade photography and video, large storage, and long battery life — iPhone 17 Pro Max is designed exactly for you. Its flexible camera system and powerful SoC make it suited for creators, content producers, photographers, and anyone who wants “future-proof” performance for years.

It’s also a solid choice if you use your phone intensively for multitasking, productivity, or creative work — whether editing video, managing massive photo libraries, or running demanding apps. The large, bright display, robust build, and high-speed wireless connectivity add to its appeal for serious users.

On the other hand, if you value compact size, lighter build, or simply don’t need all that power, a smaller iPhone model

may offer better ergonomics and adequate functionality for typical day-to-day tasks.

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Conclusion

With iPhone 17 Pro Max, Apple pushes the boundaries of what a smartphone can deliver in 2025. From its vibrant 6.9-inch Super Retina XDR display and blazing-fast A19 Pro chip, to its versatile 48 MP Pro Fusion camera array and vast 2 TB storage option — this device is built for power users, creators, and anyone who demands premium performance and reliability.

Whether you're shooting video, editing content, gaming, or just using the phone heavily for everyday tasks — iPhone 17 Pro Max stands out as one of the most capable smartphones on the market. For those who want the absolute best from Apple's iPhone lineup today, this model is hard to beat.