

iPhone 17 Pro Max — full specs, size and what you need to know

The new flagship from Apple, **iPhone 17 Pro Max**, brings a number of major upgrades — from screen size to camera system, performance, build quality and battery life. If you are considering this model, here's a detailed, up-to-date look at what it offers in terms of specs and physical size, so you can decide if it fits your needs and lifestyle.

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Design, build and physical dimensions

iPhone 17 Pro Max uses a unibody aluminum design, combining a sturdy yet refined build with modern materials. Front and back are protected by "Ceramic Shield 2" glass — for the first time, the rear also gets the same tough Ceramic Shield protection as the front. This improves scratch and drop resistance compared with previous iPhone generations.

As for size and weight — the phone is quite large and noticeably heavier than smaller iPhone variants. The official specs list the dimensions as: **163.4 mm in height, 78.0 mm in width, and 8.75 mm in thickness**. The weight is **231 grams**.

While this makes the iPhone 17 Pro Max more substantial than most phones, the size allows correct accommodation of its large display, big battery and high-end camera system. Still — it's a "big phone" by modern smartphone standards, so users with small hands or who prefer compact devices might find it too bulky for one-handed use.

Display: high-end panel for media, work and everyday tasks

The display is one of the strongest selling points of iPhone 17 Pro Max. It features a **6.9-inch all-screen OLED Super Retina XDR display**, with resolution of **2868 × 1320 pixels** and a pixel density of 460 ppi.

The screen supports adaptive refresh rate via **ProMotion up to 120 Hz**, delivering smooth scrolling, fluid animations and better responsiveness.

Other display features include:

- Always-On display and **Dynamic Island** for notifications and real-time info.
- HDR support, wide colour (P3), True Tone for natural colour balance, and Haptic Touch.
- High brightness range — typical max brightness around 1,000 nits, HDR peak around 1,600 nits, and up to 3,000 nits for outdoor usage — making it very legible even in bright sunlight.

Overall, this makes the display ideal for consuming media (movies, photos), editing content, reading, web browsing or gaming — especially for those who appreciate a large, bright, fluid screen.

Performance, battery, storage and connectivity

Under the hood, iPhone 17 Pro Max is powered by Apple's latest chip: **A19 Pro**. This provides plenty of processing power to handle demanding tasks — from heavy multitasking and professional-level photo/video editing to gaming or creative

work.

Storage options have expanded: you can choose from **256 GB, 512 GB, 1 TB, or — new for the Pro Max — 2 TB**. This makes the phone suitable for users who store large amounts of photos, video, documents, or install many apps.

On the battery side: while Apple doesn't officially publish battery capacity in mAh, the increased thickness compared with previous models strongly indicates a larger battery cell. Indeed, the increased depth (8.75 mm) was reportedly implemented to accommodate a bigger battery while keeping performance and heat under control.

Connectivity is modern and complete: the device supports 5G, Wi-Fi 7, Bluetooth, NFC, and includes USB-C for charging/data (in line with industry shifts). Wireless charging via Qi and MagSafe is also supported.

Camera system — pro-level versatility

Camera capabilities on iPhone 17 Pro Max are perhaps among the most advanced ever offered by Apple. On the back there is a triple-camera “Fusion 48 MP” system: main, ultra-wide, and telephoto.

The telephoto lens is a highlight: thanks to a new tetraprism design with a larger sensor (56% bigger), it delivers the longest optical zoom ever on an iPhone — up to **8× optical zoom**. Combined with digital enhancements, this gives a total zoom range that's extremely flexible, suitable for distant subjects, portraits, or creative framing.

The front camera is also upgraded: it offers an **18 MP sensor with “Center Stage”** — meaning it can intelligently frame group selfies or video calls, keeping people centered as they move.

For creators and video-makers, iPhone 17 Pro Max offers pro-level video features — including support for **ProRes RAW**, wide dynamic range with Apple Log 2, and even genlock, which allows synchronized filming across multiple cameras. This pushes the device beyond a regular smartphone camera, making it a viable tool for more serious video work.

Durability, water resistance and everyday practicalities

The build quality is enhanced thanks to front and back protected with Ceramic Shield 2, offering better scratch and drop resistance than typical glass backs.

In addition to sturdier build, iPhone 17 Pro Max carries an **IP68 rating** — which means it is resistant to dust and can survive immersion in water up to 6 meters deep for up to 30 minutes.

This makes the device quite resilient for daily use — whether you are outdoors, traveling, or simply handling the phone near water. Of course, no smartphone is indestructible, but this level of resistance helps a lot.

Who is iPhone 17 Pro Max for — and who might prefer a smaller model?

Given its size, weight and feature set, iPhone 17 Pro Max is ideal for:

- Users who consume a lot of media — streaming video, browsing photos, reading, gaming.
- Content creators — photographers, videographers, social-media creators, thanks to high-end cameras, video tools, storage options.
- Power users — those who multitask, work with heavy apps, edit video/photos, or store many large files offline.
- Users who prefer large screen comfort over compactness — if you type, watch, or browse a lot, a big screen adds convenience.

On the other hand, the size and weight can be a drawback for people who value compactness, one-handed use, or pocket portability. For some, a smaller model in the 17 line-up might be a better fit.

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Conclusion

In 2025, iPhone 17 Pro Max stands as one of the strongest smartphones available anywhere — combining a massive high-quality display, top-tier performance, a versatile pro-class camera system, updated durability and generous storage options. For those who prioritize screen real estate, professional photography/video capabilities or heavy daily usage, it's hard to imagine a better choice from Apple.

However, its large size and weight mean it isn't for everyone. If you prefer compactness or ease of handling, a smaller model might suit you better. But if you want the full power, flexibility and premium experience — iPhone 17 Pro Max delivers on nearly all fronts.

Ready to upgrade? For many users in 2025, iPhone 17 Pro Max effectively defines what a “pro flagship phone” should be.