OnePlus 13

Flagship (Latest Generation)

Design & Build

- **Materials:** Premium glass back with an aluminum frame, engineered for durability and a refined feel
- **Finish:** Multiple color options with matte or glossy textures; IP68 water/dust resistance (where applicable)

Display

- **Type:** 6.74-inch LTPO Fluid AMOLED
- **Resolution:** QHD+ (approximately 3216 x 1440 pixels)
- **Refresh Rate:** Adaptive up to 120 Hz, supporting HDR10+
- **Protection:** Corning Gorilla Glass (latest generation)

Performance

- **Processor:** Qualcomm Snapdragon 8 Gen 2
- **RAM:** 12 GB or 16 GB LPDDR5X (depending on the model)
- **Storage:** Options typically include 128 GB, 256 GB, and 512 GB UFS 4.0 (non-expandable)

Camera System

- **Rear Setup:**

- **Primary:** ~50 MP sensor with optical image stabilization (OIS)
- **Ultra-Wide:** ~48 MP sensor with wide-angle capture
- **Telephoto:** ~32 MP sensor with up to 3× optical zoom
- *Features:* Hasselblad color tuning, advanced computational photography, 8K video recording

- **Front Camera:** 16 MP (or similar high-resolution sensor) with AI enhancements and 4K video support

Battery & Charging

- **Capacity:** Around 5000 mAh
- **Charging:** Extremely fast wired charging (up to ~125W) plus wireless charging support (~50W) and reverse wireless charging

Software & Connectivity

- **OS:** OxygenOS based on Android 13 (upgradeable with subsequent Android versions)
- **Connectivity:** 5G, Wi-Fi 6E, Bluetooth 5.3, NFC, dual-SIM support (varies by market)
- **Extras:** In-display fingerprint sensor, stereo speakers, advanced cooling systems

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OnePlus 12

High-End Flagship Variant

Design & Build

- **Materials:** Glass back with an aluminum chassis for a premium look
- **Finish:** Sleek design with a minimal bezel; IP68 rating (if applicable)

Display

- **Type:** 6.7-inch LTPO AMOLED
- **Resolution:** QHD+ (around 3216 x 1440) with vibrant colors
- **Refresh Rate:** Adaptive up to 120 Hz with HDR10+
- **Protection:** Latest Corning Gorilla Glass

Performance

- **Processor:** Qualcomm Snapdragon 8 Gen 2
- **RAM:** Options of 12 GB or 16 GB LPDDR5X
- **Storage:** Configurations from 128 GB up to 512 GB UFS 4.0

Camera System

- **Rear Setup:**

  - **Primary:** ~50 MP with OIS
  - **Ultra-Wide:** ~48 MP for expansive shots
  - **Telephoto:** ~32 MP for detailed zoom
  - *Features:* Advanced computational photography, 8K video recording, improved low-light performance

- **Front Camera:** High-resolution sensor (around 16 MP) with portrait and night modes

Battery & Charging

- **Capacity:** Approximately 5000 mAh
- **Charging:** Fast wired charging (up to ~125W) with wireless charging options

Software & Connectivity

- **OS:** OxygenOS (Android 13-based)
- **Connectivity:** 5G, Wi-Fi 6E, Bluetooth 5.3, NFC, dual-SIM
- **Extras:** In-display fingerprint sensor, optimized thermal management

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OnePlus 12R

Flagship "R" Variant – Balancing Premium Features with Value

Design & Build

- **Materials:** Similar premium aesthetic with slight design tweaks to optimize cost
- **Finish:** Sleek, ergonomic design with robust build quality; may offer IP ratings similar to flagship models

Display

- **Type:** Approximately 6.55-inch AMOLED
- **Resolution:** Full HD+ (around 2400 x 1080 pixels) ensuring smooth performance with a 120-Hz refresh rate
- **Protection:** Standard high-quality Corning Gorilla Glass

Performance

- **Processor:** Typically a slightly earlier flagship chipset such as the Qualcomm Snapdragon 8+ Gen 1
- **RAM:** Options around 8 GB or 12 GB
- **Storage:** 128 GB or 256 GB configurations (UFS 3.1/4.0 depending on region)

Camera System

- **Rear Setup:**

  - **Primary:** ~50 MP sensor with OIS
  - **Ultra-Wide:** Lower-megapixel sensor (around 8–16 MP) for versatility
  - *Features:* Emphasis on software processing and AI modes; 4K video support

- **Front Camera:** Around 16 MP with enhanced selfie modes

Battery & Charging

- **Capacity:** In the vicinity of 4800–5000 mAh
- **Charging:** Fast charging support (around 80–100W wired) and standard wireless charging

Software & Connectivity

- **OS:** OxygenOS based on Android 13
- **Connectivity:** 5G, Wi-Fi 6, Bluetooth 5.2, NFC
- **Extras:** In-display fingerprint sensor, streamlined design for efficient performance

OnePlus 11

Flagship from Early 2022

Design & Build

- **Materials:** Premium glass back and aluminum frame with a sleek, ergonomic design
- **Finish:** Available in multiple color variants with IP68 water resistance (in selected regions)

Display

- **Type:** 6.7-inch Fluid AMOLED
- **Resolution:** QHD+ (roughly 3216 x 1440) with a 120-Hz refresh rate
- **Protection:** High-grade Corning Gorilla Glass

Performance

- **Processor:** Qualcomm Snapdragon 8 Gen 2
- **RAM:** 8 GB to 12 GB LPDDR5X
- **Storage:** Configurations include 128 GB, 256 GB, and 512 GB (UFS 3.1/4.0)

Camera System

- **Rear Setup:**

    - **Primary:** ~50 MP sensor with OIS
    - **Ultra-Wide:** ~48 MP sensor
    - **Telephoto:** ~32 MP sensor offering optical zoom
    - *Features:* Hasselblad partnership for color tuning, 8K video recording

- **Front Camera:** High-resolution sensor (around 16 MP) with advanced portrait and night modes

Battery & Charging

- **Capacity:** 5000 mAh
- **Charging:** Fast charging up to ~100W wired and wireless charging options (~50W)

Software & Connectivity

- **OS:** OxygenOS based on Android 12 (upgradeable to later Android versions)
- **Connectivity:** 5G, Wi-Fi 6/6E, Bluetooth 5.2, NFC
- **Extras:** In-display fingerprint sensor, stereo speakers, dual-SIM capability

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OnePlus 11R

Flagship "R" Variant – A Slightly Streamlined Version

Design & Build

- **Materials:** Shares design language with the OnePlus 11 but optimized for cost efficiency
- **Finish:** Premium feel with a slightly different finish; may have a similar IP rating

Display

- **Type:** Around 6.7-inch AMOLED display
- **Resolution:** Generally Full HD+ (approx. 2400 x 1080) to balance performance with battery life
- **Refresh Rate:** 120 Hz for smooth visuals
- **Protection:** Standard Corning Gorilla Glass protection

Performance

- **Processor:** Qualcomm Snapdragon 8+ Gen 1 (a generation behind the top-tier chipset)
- **RAM:** Typically 8 GB or 12 GB LPDDR5
- **Storage:** Options of 128 GB or 256 GB (UFS 3.1/4.0)

Camera System

- **Rear Setup:**

  - **Primary:** ~50 MP sensor with OIS
  - **Ultra-Wide:** Often around 16 MP sensor
  - *Features:* Solid photography performance with AI enhancements; may skip an additional telephoto lens

- **Front Camera:** Around 16 MP with optimized selfie modes

Battery & Charging

- **Capacity:** Roughly 5000 mAh
- **Charging:** Fast charging support up to ~100W wired

Software & Connectivity

- **OS:** OxygenOS based on Android 13
- **Connectivity:** 5G, Wi-Fi 6, Bluetooth 5.2, NFC
- **Extras:** In-display fingerprint sensor, efficient thermal management

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OnePlus 6

Flagship of 2018

Design & Build

- **Materials:** Glass back combined with a metal (aluminum) frame for a premium look
- **Finish:** Sleek and minimal design available in several finishes; featured a pop-up front camera mechanism

Display

- **Type:** 6.28-inch Optic AMOLED

- **Resolution:** Full HD+ (2280 x 1080 pixels) with a 19:9 aspect ratio
- **Protection:** Corning Gorilla Glass (earlier generation)

Performance

- **Processor:** Qualcomm Snapdragon 845
- **RAM:** Options of 6 GB or 8 GB LPDDR4X
- **Storage:** 64 GB, 128 GB, or 256 GB (non-expandable, UFS 2.1)

Camera System

- **Rear Setup:**

  - Dual-camera system: Both sensors at 16 MP
  - *Features:* One sensor dedicated to wide-angle capture and the other to telephoto/macro work, with AI-enhanced imaging

- **Front Camera:** 16 MP pop-up camera with portrait mode support

Battery & Charging

- **Capacity:** 3300 mAh
- **Charging:** Supports OnePlus's Dash Charge fast charging (approximately 20W)

Software & Connectivity

- **OS:** Originally launched with OxygenOS based on Android 8.1 Oreo (upgradeable to Android 11)
- **Connectivity:** 4G LTE, Wi-Fi 802.11 ac, Bluetooth 5.0, NFC

- **Extras:** Pop-up camera mechanism for a full-screen display, in-display fingerprint sensor

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Note:

- For the latest OnePlus models (OnePlus 13, 12, and their "R" variants), manufacturers often roll out multiple configurations and region-specific differences.
- The "R" variants are designed to deliver flagship-like performance with selective compromises to provide better value.
- Software iterations (OxygenOS versions) may be updated beyond the initially shipped Android version.