

# 11-inch and 12.9-inch iPad Pro

## Technical Specifications

### Finish



Silver

Space Gray

### Capacity

64GB

256GB

512GB

1TB

### Size and Weight

<b>Width:</b>	7.02 inches	8.46 inches
<b>Height:</b>	9.74 inches	11.04 inches
<b>Depth:</b>	0.23 inches	0.23 inches
<b>Weight (Wi-Fi):</b>	1.03 pounds	1.39 pounds
<b>Weight (Wi-Fi + Cellular):</b>	1.03 pounds	1.40 pounds

### In the Box

- iPad Pro
- USB-C Charge Cable (1 meter)
- 18W USB-C Power Adapter

### Display

- Liquid Retina display
- 11-inch/12.9-inch (diagonal) LED-backlit Multi-Touch display with IPS technology
- 2388-by-1668-pixel/2732-by-2048-pixel resolution at 264 pixels per inch (ppi)
- ProMotion technology
- Wide color display (P3)
- True Tone display
- Fingerprint-resistant oleophobic coating
- Fully laminated display
- Antireflective coating
- 1.8% reflectivity
- 600 nits brightness

### Chip

- A12X Bionic chip with 64-bit architecture
- Neural Engine
- Embedded M12 coprocessor

## Camera

- 12-megapixel camera
- Digital zoom up to 5x
- Five-element lens
- Quad-LED True Tone flash
- Panorama (up to 63 megapixels)
- Sapphire crystal lens cover
- Backside illumination sensor
- Hybrid IR filter
- Autofocus with Focus Pixels
- Tap to focus with Focus Pixels
- Live Photos with stabilization
- Wide color capture for photos and Live Photos
- Improved local tone mapping
- Exposure control
- Noise reduction
- Smart HDR for photos
- Auto image stabilization
- Burst mode
- Timer mode
- Photo geotagging

## Video Recording

- Up to 4K video recording
- Quad-LED True Tone flash
- Slo-mo video support
- Time-lapse video with stabilization
- Cinematic video stabilization
- Continuous autofocus video
- Noise reduction
- Playback zoom
- Video geotagging

## TrueDepth Camera

- 7-megapixel photos
- Portrait mode
- Portrait Lighting
- Animoji and Memoji
- 1080p HD video recording
- Retina Flash
- Wide color capture for photos and Live Photos
- Smart HDR
- Backside illumination sensor
- Auto image stabilization
- Burst mode
- Exposure control
- Timer mode

## Cellular and Wireless

### All models

- Wi-Fi
- Bluetooth

### Wi-Fi + Cellular models

- UMTS/HSPA/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz); GSM/EDGE (850, 900, 1800, 1900 MHz)
- Gigabit-class LTE (1, 2, 3, 4, 5, 7, 8, 11, 12, 13, 14, 17, 18, 19, 20, 21, 25, 26, 29, 30, 34, 38, 39, 40, 41, 46, 66, 71)
- Data only
- Wi-Fi calling

## SIM Card

- Nano-SIM (supports Apple SIM)
- eSIM

## Location

### All models

- Digital compass
- Wi-Fi
- iBeacon microlocation

### Wi-Fi + Cellular models

- Built-in GPS/GNSS
- Cellular

## Sensors

- Face ID
- Three-axis gyro
- Accelerometer
- Barometer
- Ambient light sensor

## Face ID

- Enabled by TrueDepth camera for facial recognition
- Unlock iPad
- Secure personal data within apps
- Make purchases from the iTunes Store, App Store, and Apple Books

## Apple Pay

- Pay with your iPad using Face ID within apps and on the web
- Send and receive money in Messages

## Siri

- Use your voice to send messages, set reminders, and more
- Get proactive suggestions
- Use hands-free
- Listen and identify songs

# Operating System

iPadOS

## Accessibility

- VoiceOver
- Voice Control
- Zoom
- Magnifier
- Siri and Dictation
- Switch Control
- Closed Captions
- AssistiveTouch
- Speak Screen

## System Requirements

- Apple ID (required for some features)
- Internet access
- Syncing to a Mac or PC requires:
  - macOS Catalina 10.15 using the Finder
  - macOS El Capitan 10.11.6 or later using iTunes 12.8 or later
  - Windows 7 or later using iTunes 12.10 or later

## Audio Playback

User-configurable maximum volume limit

## TV and Video

- AirPlay Mirroring, photos, audio, and video out to Apple TV (2nd generation or later)
- Supports Dolby Vision and HDR10 content
- Video mirroring and video out support: Up to 4K through USB-C Digital AV Multiport Adapter and USB-C VGA Multiport Adapter (adapters sold separately)