Compare iPad models

	iPad Pro 12.9-inch (5th generation)	iPad Pro 11-inch (3rd generation)	iPad Air (4th generation)	iPad (8th generation)	iPad mini (5th generation)
	Coming soon	Coming soon	Buy now	Buy now	Buy now
	Learn more	Learn more	Learn more	Learn more	Learn more
Colour					
Display	12.9" Liquid Retina XDR display[1] ProMotion technology and True Tone	11" Liquid Retina display[1] ProMotion technology and True Tone	10.9" Liquid Retina display[1] True Tone	10.2" Retina display	7.9" Retina display True Tone
Chip	M1 chip with next-generation Neural Engine	M1 chip with next-generation Neural Engine	A14 Bionic chip with Neural Engine	A12 Bionic chip with Neural Engine	A12 Bionic chip with Neural Engine
Storage	Up to 2TB	Up to 2TB	Up to 256GB	Up to 128GB	Up to[1] 256GB
Camera	12MP Wide and 10MP Ultra Wide cameras	12MP Wide and 10MP Ultra Wide cameras	12MP Wide camera	8MP Wide camera	8MP Wide camera
	12MP	12MP	7MP	1.2MP	7MP
	TrueDepth camera system with Ultra Wide	TrueDepth camera system with Ultra Wide	FaceTime HD camera	FaceTime HD camera	FaceTime HD camera
Connectivity	USB-C connector with support for Thunderbolt/USB 4	USB-C connector with support for Thunderbolt/USB 4	USB-C connector	Lightning connector	Lightning connector
Cellular	Superfast downloads, high-quality streaming[2]	Superfast downloads, high-quality streaming[2]	4G LTE cellular[2]	4G LTE cellular[2]	4G LTE cellular[2]
Face ID	Compatible with Apple Pencil (2nd generation)	Compatible with Apple Pencil (2nd generation)	Compatible with Apple Pencil (2nd generation)	Compatible with Apple Pencil (1st generation)	Compatible with Apple Pencil (1st generation)
Keyboard	Compatible with Magic Keyboard and Smart Keyboard Folio	Compatible with Magic Keyboard and Smart Keyboard Folio	Compatible with Magic Keyboard and Smart Keyboard Folio	Compatible with Smart Keyboard	Compatible with Bluetooth keyboards
Capacity[3]	128GB	128GB	64GB	32GB	64GB
	256GB	256GB	256GB	128GB	256GB
	512GB	512GB			
	1TB	1TB			
	2TB	2TB			
Size and Weight[4]	Height 245.6 mm (11.54 inches)	Height 247.6 mm (9.74 inches)	Height 247.6 mm (9.74 inches)	Height 250.6 mm (9.86 inches)	Height 203.2 mm (8.0 inches)
	Width 214.9 mm (8.46 inches)	Width 178.5 mm (7.02 inches)	Width 178.5 mm (7.02 inches)	Width 174.1 mm (6.85 inches)	Width 134.8 mm (5.3 inches)
	Depth 6.4 mm (0.25 inch)	Depth 5.9 mm (0.23 inch)	Depth 6.1 mm (0.24 inch)	Depth 7.5 mm (0.29 inch)	Depth 6.1 mm (0.24 inch)
	Weight (Wi-Fi) 682 grams (1.5 pounds)	Weight (Wi-Fi) 466 grams (1.03 pounds)	Weight (Wi-Fi) 458 grams (1.0 pound)	Weight (Wi-Fi) 490 grams (1.08 pounds)	Weight (Wi-Fi) 300.5 grams (0.66 pound)
	Weight (Wi-Fi + Cellular) 684 grams (1.51 pounds)	Weight (Wi-Fi + Cellular) 468 grams (1.03 pounds)	Weight (Wi-Fi + Cellular) 460 grams (1.01 pounds)	Weight (Wi-Fi + Cellular) 495 grams (1.09 pounds)	Weight (Wi-Fi + Cellular) 308.2 grams (0.68 pound)
Display	Liquid Retina XDR display	Liquid Retina display	Liquid Retina display	Retina display	Retina display
	12.9-inch (diagonal) 2732-by-2048 resolution at 264 ppi	11-inch (diagonal) LED-backlit with Multi-Touch and IPS technology[5]	10.9-inch (diagonal) LED-backlit with Multi-Touch and IPS technology[5]	10.2-inch (diagonal) LED-backlit with Multi-Touch and IPS technology	7.9-inch (diagonal) LED-backlit with Multi-Touch and IPS technology
	2732-by-2048 resolution at 264 ppi	2388-by-1668 resolution at 264 ppi	2360-by-1640 resolution at 264 ppi	2160-by-1620 resolution at 326 ppi	2048-by-1536 resolution at 326 ppi
	600 nits max brightness (typical)	600 nits max brightness (typical)	500 nits max brightness (typical)	500 nits max brightness (typical)	500 nits max brightness (typical)
	1000 nits max full-screen brightness; 1600 nits max brightness (HDR content)	—	—	—	—
	Fingerprint-resistant oleophobic coating	Fingerprint-resistant oleophobic coating	Fingerprint-resistant oleophobic coating	Fingerprint-resistant oleophobic coating	Fingerprint-resistant oleophobic coating
	Fully laminated display	Fully laminated display	Fully laminated display	—	—
	Antireflective coating	Antireflective coating	Antireflective coating	—	—
	ProMotion technology	ProMotion technology	—	—	—
	True Tone display	True Tone display	True Tone display	—	—
	Wide colour display (P3)	Wide colour display (P3)	Wide colour display (P3)	Wide colour display (P3)	Wide colour display (P3)
	True Tone display	True Tone display	True Tone display	True Tone display	True Tone display
Chip	Apple M1 chip with 8-core CPU, 8-core GPU, 16-core Neural Engine	Apple M1 chip with 8-core CPU, 8-core GPU, 16-core Neural Engine	A14 Bionic chip with 6-core CPU, 4-core GPU, 16-core Neural Engine	A12 Bionic chip with 6-core CPU, 4-core GPU, 4-core Neural Engine	A12 Bionic chip with 6-core CPU, 4-core GPU, 4-core Neural Engine
	8GB or 16GB RAM	8GB or 16GB RAM	—	—	—
Power and Battery[6]	Up to 10 hours of surfing the web on Wi-Fi or watching video	Up to 10 hours of surfing the web on Wi-Fi or watching video	Up to 10 hours of surfing the web on Wi-Fi or watching video	Up to 10 hours of surfing the web on Wi-Fi or watching video	Up to 10 hours of surfing the web on Wi-Fi, watching video or listening to music
	Up to 9 hours of surfing the web using cellular data network	Up to 9 hours of surfing the web using cellular data network	Up to 9 hours of surfing the web using cellular data network	Up to 9 hours of surfing the web using cellular data network	Up to 9 hours of surfing the web using cellular data network
Apple Pencil (sold separately)	Apple Pencil (2nd generation)	Apple Pencil (2nd generation)	Apple Pencil (2nd generation)	Apple Pencil (1st generation)	Apple Pencil (1st generation)
iPad Keyboard (sold separately)	Magic Keyboard	Magic Keyboard	Magic Keyboard	Smart Keyboard	—
	Smart Keyboard Folio	Smart Keyboard Folio	Smart Keyboard Folio		
Camera	12MP Wide and 10MP Ultra Wide cameras	12MP Wide and 10MP Ultra Wide cameras	12MP Wide camera	8MP Wide camera	8MP Wide camera
	Wide: 27.0 aperture Ultra Wide: 2.4 aperture	Wide: 27.0 aperture Ultra Wide: 2.4 aperture	ƒ/1.8 aperture	ƒ/2.4 aperture	ƒ/2.4 aperture
	2x optical zoom out Digital zoom up to 5x	2x optical zoom out Digital zoom up to 5x	Digital zoom up to 5x	Digital zoom up to 5x	Digital zoom up to 5x
	Brighter True Tone flash	Brighter True Tone flash	—	—	—
	Smart HDR 3 for photos	Smart HDR 3 for photos	Smart HDR 3 for photos	HDR for photos	Auto HDR for photos
Video Recording	4K video recording at 24 fps, 25 fps, 30 fps or 60 fps	4K video recording at 24 fps, 25 fps, 30 fps or 60 fps	4K video recording at 24 fps, 25 fps, 30 fps or 60 fps	1080p HD video recording at 30 fps	1080p HD video recording at 30 fps
	1080p HD video recording at 25 fps, 30 fps or 60 fps	1080p HD video recording at 25 fps, 30 fps or 60 fps	1080p HD video recording at 60 fps	—	—
	Extended dynamic range for video up to 30 fps	Extended dynamic range for video up to 30 fps	—	—	—
	Audio zoom	Audio zoom	—	—	—
	Six-mic video support for 1080p at 120 fps or 240 fps	Six-mic video support for 1080p at 120 fps or 240 fps	3x video zoom	3x video zoom	3x video zoom
	Time-lapse video with stabilization	Time-lapse video with stabilization	Time-lapse video with stabilization	Time-lapse video with stabilization	Time-lapse video with stabilization
	Stereo recording	Stereo recording	—	—	—
Front Camera	TrueDepth camera with Ultra Wide camera	TrueDepth camera with Ultra Wide camera	FaceTime HD camera	FaceTime HD camera	FaceTime HD camera
	12MP photos	12MP photos	7MP photos	1.2MP photos	7MP photos
	ƒ/2.4 aperture	ƒ/2.4 aperture	ƒ/2.2 aperture	ƒ/2.4 aperture	ƒ/2.2 aperture
	2x optical zoom out	2x optical zoom out	—	—	—
	Center Stage	Center Stage	Retina flash	Retina flash	Retina flash
	Retina Flash	Retina Flash	Smart HDR 3 for photos	HDR for photos	Auto HDR for photos
	Wide colour (P3)	Wide colour (P3)	—	—	—
	Portrait mode with advanced bokeh and Depth Control	Portrait mode with advanced bokeh and Depth Control	—	—	—
	Portrait Lighting with six effects (Natural, Studio, Contour, Stage, Stage Mono, High-Key Mono)	Portrait Lighting with six effects (Natural, Studio, Contour, Stage, Stage Mono, High-Key Mono)	—	—	—
	Extended dynamic range for video up to 30 fps	Extended dynamic range for video up to 30 fps	—	—	—
	Slo-mo video support for 1080p at 120 fps and 240 fps	Slo-mo video support for 1080p at 120 fps and 240 fps	Cinematic video stabilization	Cinematic video stabilization	Cinematic video stabilization
	1080p HD video recording at 25 fps, 30 fps or 60 fps	1080p HD video recording at 25 fps, 30 fps or 60 fps	1080p HD video recording	720p HD video recording	1080p HD video recording
	Avimoji and Memoji	Avimoji and Memoji	—	—	—
Audio	Four speaker audio	Four speaker audio	Two speaker audio landscape mode	Two speaker audio	Two speaker audio
Secure Authentication	Face ID Enabled by TrueDepth camera for facial recognition	Face ID Enabled by TrueDepth camera for facial recognition	Touch ID Fingerprint identity sensor built into the top button	Touch ID Fingerprint identity sensor built into the Home button	Touch ID Fingerprint identity sensor built into the Home button
Apple Pay	Pay with your iPad using Face ID within apps and on the web	Pay with your iPad using Face ID within apps and on the web	Pay with your iPad using Touch ID within apps and on the web	Pay with your iPad using Touch ID within apps and on the web	Pay with your iPad using Touch ID within apps and on the web
Siri	Use your voice to send messages, set reminders and more	Use your voice to send messages, set reminders and more	Use your voice to send messages, set reminders and more	Use your voice to send messages, set reminders and more	Use your voice to send messages, set reminders and more
	Activate with only your voice using "Hey Siri"	Activate with only your voice using "Hey Siri"	Activate with only your voice using "Hey Siri"	Activate with only your voice using "Hey Siri"	Activate with only your voice using "Hey Siri"
	Listen and identify songs	Listen and identify songs	Listen and identify songs	Listen and identify songs	Listen and identify songs
Cellular and Wireless	All models	All models	All models	All models	All models
	Wi-Fi 6 (802.11a/b/g/n/ac/ax) with 2x2 MIMO, simultaneous dual band; speeds up to 1.2 Gbps	Wi-Fi 6 (802.11a/b/g/n/ac/ax) with 2x2 MIMO, simultaneous dual band; speeds up to 1.2 Gbps	Wi-Fi 6 (802.11a/b/g/n/ac/ax) with 2x2 MIMO, simultaneous dual band; speeds up to 1.2 Gbps	Wi-Fi 6 (802.11a/b/g/n/ac/ax) with 2x2 MIMO, simultaneous dual band; speeds up to 866 Mbps	Wi-Fi 6 (802.11a/b/g/n/ac/ax) with 2x2 MIMO, simultaneous dual band; speeds up to 866 Mbps
	MIMO	MIMO	MIMO	MIMO	MIMO
	Bluetooth 5.0 technology	Bluetooth 5.0 technology	Bluetooth 5.0 technology	Bluetooth 4.2 technology	Bluetooth 5.0 technology
	Wi-Fi + Cellular GSM/EDGE UMTS/HSPA/HSPA+/DC-HSDPA	Wi-Fi + Cellular GSM/EDGE UMTS/HSPA/HSPA+/DC-HSDPA	Wi-Fi + Cellular GSM/EDGE UMTS/HSPA/HSPA+/DC-HSDPA	Wi-Fi + Cellular GSM/EDGE UMTS/HSPA/HSPA+/DC-HSDPA	Wi-Fi + Cellular GSM/EDGE UMTS/HSPA/HSPA+/DC-HSDPA
	Gigabit LTE (Up to 10 bands)[7]	Gigabit LTE (Up to 10 bands)[7]	Gigabit-class LTE (Up to 10 bands)[7]	Gigabit-class LTE (Up to 7 bands)	Gigabit-class LTE (Up to 29 bands)
	Built-in GPS/GNSS	Built-in GPS/GNSS	Built-in GPS/GNSS	Built-in GPS/GNSS	Built-in GPS/GNSS
	Data only[8]	Data only[8]	Data only[8]	Data only[8]	Data only[8]
	Wi-Fi calling[9]	Wi-Fi calling[9]	Wi-Fi calling[9]	Wi-Fi calling[9]	Wi-Fi calling[9]
SIM Card	Nano-SIM (supports Apple SIM[10]) eSIM[11]	Nano-SIM (supports Apple SIM[10]) eSIM[11]	Nano-SIM (supports Apple SIM[10]) eSIM[11]	Nano-SIM (supports Apple SIM[10]) eSIM[11]	Nano-SIM (supports Apple SIM[10]) eSIM[11]
Connector	Thunderbolt/USB 4 port Smart Connector (back)	Thunderbolt/USB 4 port Smart Connector (back)	USB-C Smart Connector	Lightning Smart Connector	Lightning —
Sensors	Face ID	Face ID	Touch ID	Touch ID	Touch ID
	LiDAR Scanner	LiDAR Scanner	Three-axis gyro	Three-axis gyro	Three-axis gyro
	Three-axis gyro	Three-axis gyro	Accelerometer	Accelerometer	Accelerometer
	Accelerometer	Accelerometer	Ambient light sensor	Ambient light sensor	Ambient light sensor
	Ambient light sensor	Ambient light sensor	Barometer	Barometer	Barometer
	Barometer	Barometer			

1. The displays have rounded corners. Measured diagonally, the iPad Pro 12.9-inch display is 12.9 inches, the iPad Pro 11-inch screen is 11 inches, the iPad Air 10.9-inch screen is 10.9 inches, and the iPad mini screen is 7.9 inches.
2. Data plan required. 4G, Gigabit LTE, Gigabit-class LTE and Wi-Fi calling are available in select markets and through select carriers. Speeds are based on theoretical throughput and can be lower in real-life conditions. For details on 4G and LTE support, contact your carrier and visit apple.com/ipad/cellular.
3. Available space is less and varies due to many factors. A standard configuration uses approximately 15GB to 17GB of space (including iPadOS and preinstalled apps) depending on settings and software configuration. Additional space is required to download and store iCloud content, apps and updates. Some iPadOS features require iCloud. Storage capacity subject to change based on software version and may vary by device.
4. Size and weight vary by configuration and manufacturing process.
5. Refer to Apple.com/ipad/compare for more information.
6. Battery life varies by use and configuration. See apple.com/ipad/batteries for more information.
7. Cellular data plan is sold separately. The model you purchase is configured to work with a particular cellular network technology. Check with your carrier for compatibility and cellular network coverage.
8. Not all services support Apple SIM and eSIM. See your carrier for more details. Not available in China mainland. The eSIM technology works with iPad Pro 11-inch (1st generation or later), iPad Pro 12.9-inch (2nd generation or later), iPad Air (3rd and 4th generation), iPad (7th and 8th generation) and iPad mini (5th generation). Apple SIM works with iPad Pro 11-inch (1st generation or later), iPad Pro 12.9-inch (2nd generation or later), iPad Air (3rd generation), iPad (7th generation).
9. Wi-Fi calling is available on iPad models with cellular.