

iPad Air (2020) Tech Specs

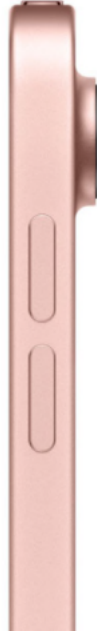
Silver



Space Grey



Rose Gold



Green



Sky Blue



Capacity

64GB
256GB

Size and Weight

247.6 mm (9.74 inches)
178.5 mm (7.0 inches)
6.1 mm (0.24 inches)

Wi-Fi models

458 grams (1.0 pound)

Wi-Fi + Cellular models

460 grams (1.01 pounds)

Buttons and Connectors

Smart Connector
Speaker
Microphone
Volume up/down
Magnetic connector
USB-C connector
Top button/Touch ID sensor
Nano-SIM tray (cellular models)

In the Box

iPad Air
USB-C Charge Cable (1 metre)
20W USB-C Power Adapter

Display

Liquid Retina display

10.9-inch (diagonal) LED-backlit Multi-Touch display with IPS technology
2360x1640-pixel resolution at 264 pixels per inch (ppi)

Wide colour display (P3)

True Tone display

Fingerprint-resistant oleophobic coating

Fully laminated display

Anti-reflective coating

1.8% reflectivity

500 nits brightness

Supports Apple Pencil (2nd generation)

The iPad Air display has rounded corners. When measured diagonally as a rectangle, the screen is 10.86 inches. Actual viewable area is less.

Chip

A14 Bionic chip with 64-bit architecture

Neural Engine

Camera

12MP Wide camera

f/1.8 aperture

Five-element lens

Hybrid IR filter

Backside illumination sensor

Live Photos with stabilisation

Autofocus with Focus Pixels

Tap to focus with Focus Pixels

Wide colour capture for photos and Live Photos

Panorama (up to 63MP)

Exposure control

Noise reduction

Smart HDR for photos

Auto image stabilisation

Burst mode

Timer mode

Photo geotagging

Image formats captured: HEIF and JPEG

Video Recording

4K video recording at 24 fps, 30 fps or 60 fps

1080p HD video recording at 30 fps or 60 fps

Slo-mo video support for 1080p at 120 fps or 240 fps

Time-lapse video with stabilisation

Cinematic video stabilisation (1080p and 720p)

Continuous autofocus video

Noise reduction

Take 8MP still photos while recording 4K video

Playback zoom

Video geotagging

Video formats captured: HEVC and H.264

FaceTime HD Camera

7MP photos
f/2.0 aperture
1080p HD video recording at 60 fps
Wide colour capture for photos and Live Photos
Smart HDR
Retina Flash
Backside illumination sensor
Auto image stabilisation
Burst mode
Exposure control
Timer mode

Video Calling

FaceTime video
iPad to any FaceTime-enabled device over Wi-Fi or a mobile network

Audio Calling

FaceTime audio
iPad to any FaceTime-enabled device over Wi-Fi or a mobile network

Speakers

Stereo speakers

Microphones

Dual microphones for calls, video recording and audio recording

Mobile and Wireless

All models

802.11ax Wi-Fi 6; simultaneous dual band (2.4GHz and 5GHz); HT80 with MIMO
Bluetooth 5.0 technology

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 (Bands 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, 48, 66, 71)
Data only
Wi-Fi calling
eSIM

SIM Card

Nano-SIM (supports Apple SIM)
eSIM

Location

All models

Digital compass
Wi-Fi
iBeacon micro-location

Wi-Fi + Cellular models

Built-in GPS/GNSS
Mobile data

Sensors

Touch ID
Three-axis gyro
Accelerometer
Barometer
Ambient light sensor

Touch ID

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 Touch ID within apps and on the web

Siri

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

Charging and Expansion Power and Battery

USB-C

All models

Built-in 28.6-watt-hour rechargeable lithium-polymer battery
Up to 10 hours of surfing the web on Wi-Fi or watching video
Charging via power adapter or USB-C to computer system

Wi-Fi + Cellular models

Up to 9 hours of surfing the web using a mobile data network

Operating System

iPadOS 14

iPadOS comes with powerful features and built-in apps designed to take advantage of the unique capabilities of iPad.

Accessibility

Accessibility features help people with disabilities get the most out of their new iPad. With built-in support for vision, hearing, mobility and learning, you can create and do amazing things.

Features include:

- Voice Control
- VoiceOver
- 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 to macOS Mojave

10.14.6 using iTunes 12.8 or later

Windows 7 or later using iTunes 12.10 or later

Environmental Requirements

Operating ambient temperature:

0° to 35° C (32° to 95° F)

Non-operating temperature:

-20° to 45° C (-4° to 113° F)

Relative humidity:

5% to 95% non-condensing

Operating altitude:

tested up to 3,000 metres (10,000 feet)