

Apple Watch Series 5 - Technical Specifications

Finishes

GPS + Cellular

Aluminum

Silver

Space Gray

Gold

Stainless Steel

Stainless Steel

Space Black (DLC)

Gold (PVD)

Titanium

Titanium

Space black

Ceramic

White

GPS

Aluminum

Silver

Space Gray

Gold

Apple Watch Nike available in silver and space gray aluminum.

Apple Watch Hermès available in stainless steel and space black stainless steel.

Features

GPS/GNSS

Compass

Barometric altimeter

Water resistant

50 meters¹

Electrical heart sensor

Second-generation optical heart sensor

International emergency calling³

Emergency SOS²

Accelerometer

up to 32 g-forces with fall detection

Gyroscope

Ambient light sensor

Speaker

Microphone

Apple Pay

GymKit

Capacity 32GB

Ceramic and sapphire crystal back

Display

44mm

368 by 448 pixels

977 sq mm display area

Over 30% larger display than Series 3

40mm

324 by 394 pixels

759 sq mm display area

Over 30% larger display than Series 3

Always-On Retina LTPO OLED display with Force Touch

1000 nits brightness

Chip

S5 SiP with 64-bit dual-core processor

W3

Apple wireless chip

Connectivity

LTE and UMTS⁴

GPS + Cellular models

Learn more about available carriers

Wi-Fi

802.11b/g/n 2.4GHz

Bluetooth 5.0

Power

Built-in rechargeable lithium-ion battery

Up to 18 hours⁵

Magnetic charging cable

USB power adapter

Dimensions

40mm

Height: 40mm

Width: 34mm

Depth: 10.74mm

44mm

Height: 44mm

Width: 38mm

Depth: 10.74mm

Weight

40mm

Aluminum: 30.8g

Stainless Steel: 40.6g

Titanium: 35.1g

Ceramic: 39.7g

44mm

Aluminum: 36.5g

Stainless Steel: 47.8g

Titanium: 41.7g

Ceramic: 46.7g

Apple Watch Series 5 and Apple Watch Series 3 have a water resistance rating of 50 meters under ISO standard 22810:2010. This means that they may be used for shallow-water activities like swimming in a pool or ocean. However, they should not be used for scuba diving, waterskiing, or other activities involving high-velocity water or submersion below shallow depth.

Apple Watch Series 5 (GPS + Cellular) can use a cellular connection for Emergency SOS. To use Emergency SOS on an Apple Watch without cellular, your iPhone needs to be nearby. If your iPhone isn't nearby, your Apple Watch needs to be connected to a known Wi-Fi network and you must set up Wi-Fi Calling.

The international emergency calling feature requires an Apple Watch Series 5 (GPS + Cellular) model. For a list of supported countries and regions see www.apple.com/watchos/feature-availability.

Wireless service plan required for cellular service. Apple Watch and iPhone service provider must be the same. Not available with all service providers. Not all service providers support enterprise accounts or prepaid plans; check with your employer and service provider. Some legacy plans may not be compatible. Roaming is not available. Contact your service provider for more details. Check www.apple.com/watch/cellular for participating wireless carriers and eligibility.

Apple Watch All-Day Battery Life testing was conducted by Apple in August 2019 using preproduction Apple Watch Series 5 (GPS) and Apple Watch Series 5 (GPS + Cellular), each paired with an iPhone; all devices were tested with prerelease software. Battery life varies by use, cellular coverage, configuration, and many other factors; actual results will vary. See www.apple.com/batteries and www.apple.com/watch/battery.html for more information.

Apple Watch Series 5 require an iPhone 6s or later with iOS 13 or later.