

## Apple Watch SE (1st generation) - Technical Specifications

### Finishes

#### Aluminum

Silver

Space Gray

Gold

Apple Watch Nike available in silver and space gray aluminum.

### Features

GPS, GLONASS, Galileo, and QZSS

Compass

Always-on altimeter

Water resistant

50 meters<sup>1</sup>

Second-generation optical heart sensor

International emergency calling<sup>3</sup>

Emergency SOS<sup>2</sup>

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

40mm

324 by 394 pixels

759 sq mm display area

Retina LTPO OLED display

1000 nits brightness

Chip

S5 SiP with 64-bit dual-core processor

W3

Apple wireless chip

Connectivity

LTE and UMTS5

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 hours<sup>6</sup>

USB-C magnetic charging cable

Environmental Features<sup>7</sup>

100% recycled aluminum in the case

Energy efficient<sup>8</sup>

Responsible packaging<sup>9</sup>

Arsenic-free display glass<sup>10</sup>

Mercury-, BFR-, PVC-, and beryllium-free<sup>10</sup>

Dimensions

40mm

Height: 40mm

Width: 34mm

Depth: 10.7mm

44mm

Height: 44mm

Width: 38mm

Depth: 10.7mm

Weight

40mm

GPS: 30.49g

GPS + Cellular: 30.68g

44mm

GPS: 36.20g

GPS + Cellular: 36.36g

In the Box  
Apple Watch SE

Band/Loop

1m Magnetic Charger to USB-C Cable

The case materials and the band types would be based on your selection

Apple Watch SE 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 SE (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 SE (GPS + Cellular) model. For a list of supported countries and regions, see [apple.com/watchos/feature-availability](https://apple.com/watchos/feature-availability).

Not all features will be available if the Apple Watch is set up through Family Setup. Wireless service plan required for cellular service. Contact your service provider for more details. Check [apple.com/watch/cellular](https://apple.com/watch/cellular) for participating wireless carriers and eligibility.

Wireless service plan required for cellular service. Contact your service provider for more details. International roaming is not supported. Connection may vary based on network availability. Check [apple.com/watch/cellular](https://apple.com/watch/cellular) for participating wireless carriers and eligibility. See [support.apple.com/en-us/HT207578](https://support.apple.com/en-us/HT207578) for additional setup instructions.

Apple Watch All-Day Battery Life testing was conducted by Apple in August 2020 using preproduction Apple Watch SE (GPS) and Apple Watch SE (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 [apple.com/batteries](https://apple.com/batteries) and [apple.com/watch/battery.html](https://apple.com/watch/battery.html) for more information.

Data accurate as of product launch.

Meets California Energy Commission's Energy Efficiency Standards for Small Battery Charger Systems as outlined in the California Code of Regulations.

100% of virgin wood fiber comes from responsibly managed forests and 90% or more of the packaging is fiber-based.

Apple defines its restrictions on harmful substances, including definitions for what Apple considers to be “free of,” in the Apple Regulated Substances Specification. Every Apple product is free of PVC and phthalates with the exception of AC power cords in India, Thailand (for 2-prong AC power cords), and South Korea where we continue to seek government approval for our PVC and phthalates replacement.