

MacBook Pro (2019)

Technical Specifications

Finish



Silver

Space Gray

Display

- Retina display
- 13.3-inch (diagonal) or 15.0-inch
- LED-backlit display with IPS technology;
- 2560-by-1600 native resolution
- 500 nits brightness
- Wide color (P3)
- True Tone technology

Processor

1,4 GHz
Quad-Core Intel Core i5 mit 128 MB eDRAM

2,4 GHz

1,7 GHz
Quad-Core Intel Core i7 mit 128 MB eDRAM

2,8 GHz

Storage

128 GB

256 GB

512 GB

1TB

2TB

Memory

8 GB
2133 MHz LPDDR3 Arbeitsspeicher (On-Board)

16 GB

Battery and Power

- Up to 10 hours wireless web
- Up to 10 hours Apple TV app video playback
- Up to 30 days of standby time
- Built-in 58.2-watt-hour **or** 58.0-watt-hour lithium-polymer battery

Size and Weight

Height:	0.59 inches	0.61 inches
Width:	11.97 inches	13.75 inches
Depth:	8.36 inches	9.84 inches
Weight:	3.02 pounds	4.02 pounds

Touch ID

Touch Bar with integrated Touch ID sensor

Graphics

Intel Iris Plus Graphics 645

Intel Iris Plus Graphics 655

- Support for Thunderbolt 3 enabled external GPUs (eGPUs)
- Thunderbolt 3 digital video output
- Built-in display and:
 - One display with 5120-by-2880 resolution **or**
 - Up to two displays with 4096-by-2304 resolution **or**
 - Up to two displays with 3840-by-2160 resolution

Camera

720p FaceTime HD camera

Wireless

- Wi-Fi
- Bluetooth 5.0

Audio

- Stereo speakers with high dynamic range
- Three microphones
- 3.5 mm headphone jack

Keyboard and Trackpad

- Backlit keyboard with 65 (ISO) keys including 4 arrow keys, Touch Bar with integrated Touch ID sensor
- Force Touch trackpad for precise cursor control and pressure-sensing capabilities; enables Force clicks, accelerators, pressure-sensitive drawing, and Multi-Touch gestures
- Touch Bar Force Touch trackpad
- Ambient light sensor

Operating System

macOS

Accessibility

- Voice Control
- VoiceOver
- Zoom
- Increase Contrast
- Reduce Motion
- Siri and Dictation
- Switch Control
- Closed Captions
- Text to Speech

In the Box

- 13-inch MacBook Pro
- 61W USB-C Power Adapter
- USB-C Charge Cable (2 m)

Warranty and Service

According to BGB (Civil Code), in Germany consumers are entitled to free repair, replacement, rebate or repayment by the dealer within two years of the transfer of the goods, if the product purchased is not in conformity with the sales contract at the time of the transfer.

MacBook Pro is delivered with 90 days of free support and an Apple One-Year Limited Warranty.

With the purchase of AppleCare+, customers receive up to three years of technical support from experts and hardware protection, including up to two accidental damage repairs, each with a service charge.