

## iMac Pro (2017) – Technical Specifications

Languages English



### Display

- 27-inch (diagonal) Retina 5K display
- 5120-by-2880 resolution with support for one billion colors
- 500 nits brightness
- Wide color (P3)

### Processor

- 8-Core  
3.2GHz Intel Xeon W  
Turbo Boost up to 4.2GHz  
19MB cache
- 10-Core  
3.0GHz Intel Xeon W  
Turbo Boost up to 4.5GHz  
23.75MB cache

### Configurable to:

- 14-Core  
2.5GHz Intel Xeon W  
Turbo Boost up to 4.3GHz  
33.25MB cache
- 18-Core  
2.3GHz Intel Xeon W  
Turbo Boost up to 4.3GHz  
42.75MB cache

### Graphics

- Vega 56  
Radeon Pro Vega 56 graphics processor  
with 8GB of HBM2 memory  
56 compute units  
3584 stream processors  
9 teraflops single precision  
18 teraflops half precision

### Configurable to:

- Vega 64  
Radeon Pro Vega 64 graphics processor  
with 16GB of HBM2 memory  
64 compute units  
4096 stream processors  
11 teraflops single precision  
22 teraflops half precision
- Vega 64X  
Radeon Pro Vega 64X graphics processor  
with 16GB of HBM2 memory  
64 compute units  
4096 stream processors  
12 teraflops single precision  
24 teraflops half precision

### Memory

- 32GB  
32GB of 2666MHz DDR4 ECC memory  
Quad-channel memory controller

Configurable to:

- 64GB  
64GB of 2666MHz DDR4 ECC memory
- 128GB  
128GB of 2666MHz DDR4 ECC memory
- 256GB  
256GB of 2666MHz DDR4 ECC memory

Storage<sup>1</sup>

- 1TB SSD

Configurable to:

- 2TB SSD
- 4TB SSD

Video Support and Camera

- 1080p FaceTime HD camera
- Simultaneously supports full native resolution on the built-in display at 1 billion colors and:
  - Two 5120-by-2880 (5K) external displays at 60Hz with support for 1 billion colors, or
  - Four 3840-by-2160 (4K UHD) external displays at 60Hz with support for 1 billion colors, or
  - Four 4096-by-2304 (4K) external displays at 60Hz with support for millions of colors
- Support for extended desktop and video mirroring modes
- Thunderbolt 3 digital video output
- Native DisplayPort output over USB-C
- Thunderbolt 2, HDMI, DVI, and VGA output supported using adapters (sold separately)

Audio

- Stereo speakers
- Four microphones
- 3.5 mm headphone jack
- Support for "Hey Siri"

Connections and Expansion

- Nbase-T Ethernet with support for 1Gb, 2.5Gb, 5Gb, and 10Gb Ethernet using RJ-45 connector
- SDXC card slot with support for UHS-II
- Four USB-A ports
- Four Thunderbolt 3 (USB-C) ports with support for:
  - DisplayPort 1.2
  - Thunderbolt (up to 40Gb/s)
  - USB 3.1 Gen 2 (up to 10Gb/s)
  - Thunderbolt 2, HDMI, DVI, and VGA supported using adapters (sold separately)

Input

- Space Gray Magic Keyboard with Numeric Keypad
- Space Gray Magic Mouse 2
- Optional Space Gray Magic Trackpad 2

Wireless

- Wi-Fi  
802.11ac Wi-Fi wireless networking  
IEEE 802.11a/b/g/n compatible
- Bluetooth  
Bluetooth 5.0 wireless technology

Size and Weight

- Height: 20.3 inches (51.6 cm)
- Width: 25.6 inches (65.0 cm)
- Stand depth: 8 inches (20.3 cm)
- Weight: 21.5 pounds (9.7 kg)<sup>2</sup>

Electrical and Operating Requirements

- Line voltage: 100-240V AC
- Frequency: 50Hz to 60Hz, single phase
- Operating temperature: 50° to 95° F (10° to 35° C)
- Relative humidity: 5% to 90% noncondensing
- Operating altitude: tested up to 16,400 feet (5000 meters)
- Typical acoustical performance: Sound pressure level (operator position): 13 dBA at idle<sup>3</sup>

#### In the Box

- iMac Pro
- Space Gray Magic Keyboard with Numeric Keypad
- Space Gray Magic Mouse 2
- Lightning to USB Cable
- Power cord

#### Operating System

##### macOS

macOS is the most advanced desktop operating system in the world. macOS Big Sur introduces a bold new design and major updates to apps — taking macOS to a new level of power and beauty.

[Learn more](#)

#### Accessibility

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

[Learn more](#)

#### Features include:

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

#### Built-in Apps<sup>4</sup>

- Photos
- iMovie
- GarageBand
- Pages
- Numbers
- Keynote
- Siri
- Safari
- Mail
- FaceTime
- Messages
- Maps
- News
- Stocks
- Home
- Voice Memos
- Notes
- Calendar
- Contacts
- Reminders
- Photo Booth
- Preview
- Books
- App Store
- Time Machine
- TV
- Music
- Podcasts
- Find My
- QuickTime Player

#### iMac Pro and the Environment

Apple takes a complete product life cycle approach to determining our environmental impact. [Learn more](#)

iMac Pro is designed with the following features to reduce environmental impact:

- Arsenic-free display glass
- Mercury-free LED-backlit display
- Brominated flame retardant-free
- PVC-free<sup>5</sup>
- Beryllium-free

- Recyclable aluminum enclosure
- Speaker, keyboard, and trackpad enclosures made with post-consumer recycled plastic
- Fan assembly made with 26 percent bio-based plastic
- 100 percent of packaging fibers are sourced from responsibly managed forests or recycled paper

#### Apple and the Environment

Read our Product Environmental Reports for detailed information on the environmental performance of every Apple product.

#### Acoustic Performance

Declared noise emission values in accordance with ECMA-109

	Sound Power Level $L_{WA,m}$ (B)	Sound Pressure Level Operator Position $L_{pA,m}$ (dB)
Idle	2.1 ( $K_v = 0.3$ )	13
Wireless web	2.1 ( $K_v = 0.3$ )	13

1.  $L_{WA,m}$  is the mean A-weighted sound power level, rounded to the nearest 0.1 B.
2.  $L_{pA,m}$  is the mean A-weighted sound pressure level measured at operator position (rounded to the nearest 1 dB).
3. 1 B (bel) = 10 dB (decibel)
4.  $K_v$  is the statistical adder for computing upper-limit of A-weighted sound power level.
5. The quantity,  $L_{WA,c}$  (formerly called  $L_{WA,d}$ ) may be computed from the sum of  $L_{WA,m}$  and  $K_v$ .
6. The Wireless web test browses 25 popular websites.
7. Configuration tested: 3.2GHz 8-core Intel Xeon W processor, 32GB memory, 1TB storage, Radeon Pro Vega 56 Graphics.

1. 1TB = 1 trillion bytes; actual formatted capacity less.
2. Weight varies by configuration and manufacturing process.
3. Acoustics measured from typical operator position sitting in front of standard iMac Pro system. Acoustics may vary by configuration.
4. iMovie, GarageBand, Pages, Numbers, and Keynote are available on the Mac App Store. Downloading apps requires an Apple ID and a device that is compatible with the OS version required for each app.
5. PVC-free AC power cord available in all regions except India and South Korea.

Published Date: Dec 9, 2020

Support

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