


Mac Pro (Late 2013) – Technical Specifications

Languages English 

Dimensions

- Height: 9.9 in
- Diameter: 6.6 in
- Weight: 11 lb¹

Processor

- 3.7GHz Quad-Core
 - Intel Xeon E5 with 10MB L3 cache and Turbo Boost up to 3.9GHz
Configurable to 3.5GHz 6-core processor with 12MB L3 cache, 3.0GHz 8-core processor with 25MB L3 cache, or 2.7GHz 12-core processor with 30MB L3 cache
- 3.5GHz 6-Core
 - Intel Xeon E5 with 12MB L3 cache and Turbo Boost up to 3.9GHz
Configurable to 3.0GHz 8-core processor with 25MB L3 cache or 2.7GHz 12-core processor with 30MB L3 cache
- 3.0GHz 8-Core
 - Intel Xeon E5 with 25MB L3 cache and Turbo Boost up to 3.9GHz
Configurable to 2.7GHz 12-core processor with 30MB L3 cache

Memory

- 3.7GHz Quad-Core
 - 12GB (three 4GB) of 1866MHz DDR3 ECC memory
Configurable to 16GB (four 4GB), 32GB (four 8GB) or 64GB (four 16GB)
- 3.5GHz 6-Core
 - 16GB (four 4GB) of 1866MHz DDR3 ECC memory
Configurable to 32GB (four 8GB) or 64GB (four 16GB)
- 3.0GHz 8-Core
 - 16GB (four 4GB) of 1866MHz DDR3 ECC memory
Configurable to 32GB (four 8GB) or 64GB (four 16GB)

Graphics

- 3.7GHz Quad-Core
 - Dual AMD FirePro D300 graphics processors with 2GB of GDDR5 VRAM each
 - 1280 stream processors
 - 256-bit-wide memory bus
 - 160GB/s memory bandwidth
 - 2 teraflops performanceConfigurable to dual AMD FirePro D500, each with 3GB GDDR5 VRAM, 1526 stream processors, 384-bit-wide memory bus, 240GB/s memory bandwidth, and 2.2 teraflops performance; or dual AMD FirePro D700, each with 6GB of GDDR5 VRAM, 2048 stream processors, 384-bit-wide memory bus, 264GB/s memory bandwidth, and 3.5 teraflops performance
- 3.5GHz 6-Core
 - Dual AMD FirePro D500 graphics processors with 3GB of GDDR5 VRAM each
 - 1526 stream processors
 - 384-bit-wide memory bus
 - 240GB/s memory bandwidth

- 2.2 teraflops performance
Configurable to dual AMD FirePro D700, each with 6GB of GDDR5 VRAM, 2048 stream processors, 384-bit-wide memory bus, 264GB/s memory bandwidth, and 3.5 teraflops performance
- 3.0GHz 8-Core
 - Dual AMD FirePro D700 graphics processors with 6GB of GDDR5 VRAM each
 - 2048 stream processors
 - 384-bit-wide memory bus
 - 264GB/s memory bandwidth
 - 3.5 teraflops performance

Display Support

- Connect up to:
 - Three dual-cable 5K displays
 - Six Thunderbolt displays

Storage

- 256GB
- PCIe-based SSD
Configurable to 512GB or 1TB²

Audio

- Combined optical digital audio output/analog line out minijack
- 3.5 mm headphone jack with headset support
- HDMI port supports multichannel audio output
- Built-in speaker

Connections and Expansion

- 4 USB 3
- 6 Thunderbolt 2
- Dual Gigabit Ethernet
- HDMI 1.4 Ultra HD

Wireless

- 802.11 ac Wi-Fi wireless networking;³ IEEE 802.11 a/b/g/n compatible
- Bluetooth 4.0 wireless technology

Electrical and Operating Requirements

- Line voltage: 100–240V AC
- Frequency: 50Hz to 60Hz, single phase
- Maximum continuous power: 450W
- Operating temperature: 50° to 95° F (10° to 35° C)
- Relative humidity: 5% to 95% noncondensing
- Maximum altitude: 16,400 feet (5000 meters)
- Typical acoustical performance, sound pressure level (operator position): 12 dBA at idle

In the Box

- Mac Pro, power cord

Included Software

macOS Mojave

macOS is the operating system that powers everything you do on a Mac. macOS Mojave brings new features inspired by its most powerful users, but designed for everyone. So you can get more out of every click. [Learn more](#)

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	2.05 ($K_v = 0.25$)	14.0
Wireless web	2.05 ($K_v = 0.30$)	14.5

1. $L_{WA,m}$ is the mean A-weighted sound power level, rounded to the nearest 0.05 B.
2. $L_{pA,m}$ is the mean A-weighted sound pressure level measured at the operator position (rounded to the nearest 0.5 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.

Mac Pro and the Environment

Apple takes a complete product life cycle approach to determining our environmental impact.

- ENERGY STAR 6
- EPEAT Gold⁴
- BFR-free
- PVC-free⁵
- Highly recyclable

1. Weight varies by configuration and manufacturing process.
2. 1GB = 1 billion bytes and 1TB = 1 trillion bytes; actual formatted capacity less.
3. Internet access required. 802.11ac is based on an IEEE draft specification.
4. Mac Pro achieved a Gold rating from EPEAT in the U.S. and Canada.
5. PVC-free power cord available in all regions except India and South Korea.

Published Date: Sep 24, 2018

Support

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