

Computer Specs for 2021

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We are regularly asked to “spec out” computers. So . . . in an effort to save lawyers time and to be helpful, here are our current specifications for 2021. Remember that we are balancing price and features to find the “sweet spot” for you. As we are sure you realize, specifications change over the course of a year, so we’ll make sure we revise these at the end of 2021.

Windows-Based Desktop Computer

Hardware Component Recommendation

Computer Model: Dell OptiPlex 7080 Small Form Factor

Operating System: Microsoft Windows 10 Professional 64-Bit

Processor: 10th Generation Intel® Core™ i7-10700 (8-Core, 16MB Cache, 2.9GHz to 4.8GHz, 65W)

Memory: 16GB, 2x8GB, DDR4 non-ECC Memory

Video Card: NVIDIA GeForce® GT 730, 2GB, LP (DP/DP)

Hard Drive: M.2 256GB PCIe NVMe Class 40 Solid State Drive

Network: Intel Gigabit LAN 10/100/1000 Ethernet

Monitor: 2 x Dell 24-inch Monitor—P2419H

Warranty: Three-year basic hardware service with three-year onsite/in-home service after remote diagnosis

Other: No mouse and keyboard required; no out-of-band systems management; four USB 3.2 ports, two USB 3.2 Gen 2 Type-C port and four USB 2.0 ports included

Macintosh-Based Desktop Computer

Hardware Component Recommendation

Computer Model: 21.5-inch iMac

Operating System: MacOS Big Sur

Processor: 2.3GHz dual-core Intel Core i5, Turbo Boost up to 3.6GHz

Memory: 16 GB 2133MHz DDR4 memory

Video Card: Intel Iris Plus Graphics 640

Hard Drive: 256GB SSD

CD/DVD-ROM: 8X SuperDrive (DVD+R DL/DVD±RW/CD-RW)

Network: 10/100/1000BASE-T Gigabit Ethernet Port, 802.11 ac Wi-Fi wireless networking (802.11 a/b/g/n compatible), Bluetooth 4.2

Warranty: Three-year AppleCare Protection Plan for iMacs

Other: FaceTime HD Camera, built-in 21.5-inch monitor and stereo speakers, microphone, two Thunderbolt 3 ports, four USB-A ports, Native DisplayPort output over USB-C, Apple wireless keyboard and Magic Mouse 2, SDXC card slot, and Kensington lock slot

Windows-Based Laptop Computer

Hardware Component Recommendation

Computer Model: Dell Latitude 7420

Processor: 11th Gen Intel Core i5-1145G7 2.6 GHz Processor (Quad-Core, 8M Cache, vPro)

Operating System: Microsoft Windows 10 Professional 64-bit

Memory: 16 GB Non-ECC RAM

Video Card: i5-1145G7 vPro, Intel® Iris® XE Graphics, 16GB Memory
Hard Drive: M.2 512 GB PCIe NVMe Class 40 Solid State Hard Drive
CD/DVD-ROM: None
Network: 10/100/1000 Mbps Ethernet adapter, Intel® Wi-Fi 6 AX201 2x2 802.11ax 160MHz + Bluetooth 5.1 Wireless Card
Warranty: Three-year basic hardware service with three-year next-business-day limited on-site service after remote diagnosis
Other: Laptop 14.0" FHD(1920x1080) AG, SLP, Non-Touch, ComfortView Plus,WVA,400nits, FHD IR Cam, Mic, WLAN, CF, 4 Cell 63Whr ExpressCharge™ Capable Battery, weight starting at 2.7 lbs., one USB 3.2 port, two USB Type-C port, HDMI, memory card reader, camera and microphone

Macintosh-Based Laptop Computer

Hardware Component Recommendation
Computer Model: 16-Inch MacBook Pro
Operating System: MacOS Big Sur
Processor: 2.6GHz 6-core Intel Core i7, Turbo Boost up to 4.5GHz, with 12MB shared L3 cache
Memory: 16GB of 2666MHz DDR4 onboard memory
Video Card: AMD Radeon Pro 5300M with 4GB of GDDR6 memory and automatic graphics switching
Hard Drive: 512GB SSD
CD/DVD-ROM: None
Network: 802.11ac Wi-Fi wireless networking (802.11 a/b/g/n compatible), Bluetooth 5.0
Warranty: Three-year AppleCare Protection Plan
Other: FaceTime HD Camera, 16-inch (diagonal) Retina LED-backlit display with IPS technology; 3072-by-1920 native resolution at 226 pixels per inch with support for millions of colors, stereo speakers, four Thunderbolt 3 ports (USB-C), and display port, Touch Bar with integrated Touch ID sensor.

NAS storage unit

Synology DS2415+

The authors hope that the above specifications are useful to you. If you need IT or cybersecurity assistance, please feel free to contact us at sensei@senseient.com.

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