


# LAITS Computer Standards and Recommendations




## LAITS Standard Recommendations

					
<b>Model</b>	<b>Apple MacBook Pro 13"</b>	<b>Apple MacBook Pro 16"</b>	<b>Apple iMac 27"</b>	<b>Dell Latitude 7410 14" Clamshell</b>	<b>Dell Optiplex 7080 (Small Form Factor) with 24" Dell U2417H</b>
<b>Operating System</b>	OS X Catalina 10.15	OS X Catalina 10.15	OS X Catalina 10.15	Windows 10	Windows 10
<b>Specs</b>	1.4GHz Intel Quad-Core i5 16GB memory 512GB SSD Intel Iris Plus Graphics 13" display (2560x1600) Two Thunderbolt 3 Ports  9 hour battery life	2.6GHz Intel 6-Core i7 16GB memory 512GB SSD Radeon Pro 5300M 16" display (2880x1800)  8 hour battery life	3.0GHz Intel 6-Core i5 16GB memory 256GB SSD Radeon Pro 570X 27" display (5120x2880)  Apple Magic Keyboard Apple Magic Mouse 2	1.8GHz Intel Quad Core i7 16GB memory (1x16GB) 512GB Class 40 SSD Intel® UHD Graphics 620 14" FHD display (1920x1080) 6mm IR Cam/Mic, Carbon Fiber, Touch Intel Dual Band Wireless + Bluetooth  (3) USB 3, (1) Thunderbolt 11 hour battery life	2.8GHz Intel Core i9 16GB memory (1x16GB) 512GB Class 40 SSD Intel Integrated Graphics 24" display (1920x1080) DVD-RW optical drive Intel® Wi-Fi 6 AX201  Dell Wireless Desktop Keyboard and Mouse - KM636
<b>Weight</b>	3 pounds	4.5 pounds		3 pounds	
<b>Warranty</b>	1 year standard 3 yr AppleCare, add \$199	1 year standard 3 yr AppleCare, add \$239	1 year standard 3 year Applecare, add \$119	4 year ProSupport Plus	4 year ProSupport Plus
<b>Cost</b>	<b>\$1,579.00</b>	<b>\$2,199.00</b>	<b>\$1,969.00</b>	<b>\$1,535.57</b>	<b>\$1,618.28</b> Optiplex 7080 \$1,467.49 P2419HC Monitor \$150.79



# Budget Recommendations

				
<b>Model</b>	<b>Apple MacBook Air 13"</b>	<b>Apple iMac 21.5"</b>	<b>Dell Latitude 5410 14" Clamshell</b>	<b>Dell Optiplex 5080 with 24" Dell P2417H</b>
<b>Operating System</b>	OS X Catalina 10.15	OS X Catalina 10.15	Windows 10	Windows 10
<b>Specs</b>	1.6GHz Intel Dual-Core i5 8GB memory 256GB SSD Intel UHD Graphics 13.3" display (1440x900) 12 hour battery life 2 Thunderbolt 3 Ports	3.0GHz Intel Core i5 8GB memory 256GB SSD Radeon Pro 560X 21.5" LED backlit screen (1920x1080)  Apple Magic Keyboard Apple Magic Mouse 2	1.6GHz Intel Core i5 16GB memory 256GB Class 20 SSD Intel UHD 620 Graphics 14" display (1366x768) Camera & Microphone/Non-Touch	3.3GHz Intel Core i5 8GB memory (1x8GB) 256GB Class 40 PCIe SSD Intel Integrated Graphics 24" display (1920x1080) Intel® Wi-Fi 6 AX201 DVD+/-RW  Dell Wireless Desktop Keyboard and Mouse - KM636
<b>Weight</b>	2.96 pounds		3.88 pounds	
<b>Warranty</b>	1 year standard 3 yr AppleCare, add \$183	1 year standard 3 year Applecare, add \$119	4 year ProSupport Plus	4 year ProSupport Plus
<b>Cost</b>	<b>\$1,199.00</b>	<b>\$1,489.00</b>	<b>\$1,294.00</b>	<b>\$1,172.78</b> Optiplex 5080 - \$1,021.99 P2419HC Display - \$150.79



# Performance Recommendations

					
<b>Model</b>	<b>Apple Mac Pro</b>	<b>Apple MacBook Pro 16"</b>	<b>Dell Latitude 9510 14" Clamshell</b>	<b>Dell Precision M5540 15"</b>	<b>Dell Precision T3630 with 24" Dell P2417H</b>
<b>Operating System</b>	OS X Catalina 10.15	OS X Catalina 10.15	Windows 10	Windows 10	Windows 10
<b>Specs</b>	3.5 GHz Intel 6-Core Xeon E5 32GB memory 512GB SSD Dual AMD FirePro D500  Recommended 24" U2417H display (1920x1080) Apple wired keyboard Apple wired mouse	2.4GHz Intel 8-Core i9 32GB memory 512GB SSD Radeon Pro 5300M 16" display (2880x1800)  8 hour battery life	1.1GHz Intel 6 Core i7 16GB memory 512GB Class 35 SSD Intel UHD 620 Graphics 15" FHD (1920 x 1080) IR CAM, Mic, Non-Touch	2.4GHz Intel 8 Core i9 32GB memory 512GB SSD Nvidia Quadro T2000 15" display, Platinum Silver (1920x1080) FHD,w/Prem Panel, HD Camera (2) USB 3, (1) USC-C  12 hour battery life	3.1GHz Xeon 8 Core i9 32GB memory (2X16GB) 512GB Class 40 SSD Radeon Pro WX 5100 24" display(1920x1080)  Keyboard and Mouse Combo - KM7120W DVD-RW optical drive
<b>Weight</b>		4.5 pounds	3 pounds	4 pounds	
<b>Warranty</b>	1 year standard 3 yr AppleCare, add \$199	1 year standard 3 yr AppleCare, add \$239	4 year ProSupport with Next Business Day	4 year ProSupport with Next Business Day	4 year ProSupport with Next Business Day
<b>Cost</b>	<b>\$3,339.00</b> Mac Pro - \$3,339.00	<b>\$2,839.00</b>	<b>2,052.22</b>	<b>\$2,529.00</b>	<b>\$1,889.53</b> Precision T3630 - \$1,738.73 P2419HC Display - \$150.79

## Ultra-Portable Recommendations

		
<b>Model</b>	<b>Apple 12.9" iPad Pro</b>	<b>Microsoft Surface Pro 7</b>
<b>Operating System</b>	iOS 12	Windows 10
<b>Specs</b>	<p>A12Z Bionic chip with 64-bit architecture                      Embedded M12 coprocessor                      256GB                      2732x2048-pixel resolution                      12-megapixel camera                      USB-C</p> <p>Smart Keyboard Folio (sold separately)</p> <p>Wi-Fi + Cellular models                      Up to 9 hours of surfing the web using cellular data network</p>	<p>Intel Core i7-8350U                      16GB memory                      256GB                      Intel UHD Graphics                      12.3" PixelSense Display (2736x1824)                      10 point multi-touch</p> <p>USB 3.0/Mini DisplayPort/                      Headphone-Microphone                      Combo Jack/Dock/                      SurfaceConnect/3-in-1                      Memory Card Reader.</p> <p>13.5 hour battery life</p>
<b>Weight</b>	1.4 pounds	1.5 pounds
<b>Warranty</b>	1 year standard 3 yr AppleCare, add \$129	3 year Extended Plan (\$244.95)
<b>Cost</b>	<b>\$999</b> <b>\$1,328 (with keyboard folio)</b>	<b>\$1,599 w/ type cover</b> <b>Surface Dock (\$179.95)</b>



## All in One Recommendations

		
<b>Model</b>	<b>Apple iMac 27" with 5K Retina Display</b>	<b>Dell OptiPlex 7480 24" All In One (AIO)</b>
<b>Operating System</b>	OS X Mojave 10.14	Windows 10
<b>Specs</b>	<p>3.0GHz Intel 6-Core i5                      16GB memory                      256GB SSD                      Radeon Pro 570X                      27" display (5120x2880)</p> <p>Apple Magic Keyboard                      Apple Magic Mouse 2</p>	<p>2.8GHz Intel i9                      16GB memory                      512GB SSD                      Intel® Integrated Graphics                      FHD 1920x1080 IPS Touch                      Anti-Glare &amp; IR Camera                      Intel Wi-Fi 6 AX201</p> <p>Dell Wireless Desktop                      Keyboard and Mouse -                      KM636</p>
<b>Warranty</b>	1 year standard 3 year Applecare, add \$119	3 year ProSupport with Next Business Day
<b>Cost</b>	<b>\$1,969.00</b>	<b>\$2,063.77</b>

## Classroom Recommendations

		
<b>Model</b>	<b>Apple Mac mini</b>	<b>Dell OptiPlex 7080 (Micro Form Factor)</b>
<b>Operating System</b>	OS X Catalina 10.15	Windows 10
<b>Specs</b>	3.2GHz Intel Quad Core i7 16GB memory 256GB SSD Intel UHD Graphics 630 Recommended 24" display (1920x1080)	2.4GHz Intel six-Core i5 16GB memory 256GB Class 40 SSD Intel Integrated Graphics 130 Watt AC Adapter Add Optional HDMI Intel® Wi-Fi 6 AX201  Dell Wireless Desktop Keyboard and Mouse - KM636
<b>Warranty</b>	1 year standard 3 yr AppleCare, add \$79	3 year ProSupport with Next Business Day
<b>Cost</b>	<b>\$1,409.00</b>	<b>\$1,069.72</b>

## 2-in-1 Recommendations

		
<b>Model</b>	<b>Apple 12.9" iPad Pro</b>	<b>Microsoft Surface Pro 7</b>
<b>Operating System</b>	iOS 12	Windows 10
<b>Specs</b>	A12Z Bionic chip with 64-bit architecture Embedded M12 coprocessor 256GB 2732x2048-pixel resolution 12-megapixel camera USB-C  Smart Keyboard Folio (sold separately)  Wi-Fi + Cellular models Up to 9 hours of surfing the web using cellular data network	Intel Core i7-8350U 16GB memory 256GB Intel UHD Graphics 12.3" PixelSense Display (2736x1824) 10 point multi-touch  USB 3.0/Mini DisplayPort/Headphone-Microphone Combo Jack/Dock/SurfaceConnect/3-in-1 Memory Card Reader.  13.5 hour battery life
<b>Weight</b>	1.4 pounds	1.5 pounds
<b>Warranty</b>	1 year standard 3 yr AppleCare, add \$129	3 year Extended Plan (\$244.95)
<b>Cost</b>	<b>\$999</b> <b>\$1,328 (with keyboard folio)</b>	<b>\$1,599 w/ type cover</b> <b>Surface Dock (\$179.95)</b>

# Tablet Recommendations

			
<b>Model</b>	<b>Apple 12.9" iPad Pro</b>	<b>Apple iPad Pro 11"</b>	<b>Microsoft Surface Go</b>
<b>Operating System</b>	iOS 12	iOS 12	Windows 10
<b>Specs</b>	<p>A12Z Bionic chip with 64-bit architecture            Embedded M12 coprocessor            256GB            2732x2048-pixel resolution            12-megapixel camera            USB-C</p> <p>Smart Keyboard Folio (sold separately)</p> <p>Wi-Fi + Cellular models            Up to 9 hours of surfing the web using cellular data network</p>	<p>A12Z Bionic chip with 64-bit architecture            Embedded M12 coprocessor            256GB            2388x1668-pixel resolution            12-megapixel camera            USB-C</p> <p>Smart Keyboard Folio (sold separately)</p> <p>Wi-Fi + Cellular models            Up to 9 hours of surfing the web using cellular data network</p>	<p>Intel Processor            8GB memory            128GB SSD            Intel HD 5300 Graphics            10" PixelSense (1800x1200)            1 USB-C</p> <p>9 hour battery life</p>
<b>Weight</b>	1.4 pounds	1 pound	1.15 pounds
<b>Warranty</b>	1 year standard 3 yr AppleCare, add \$129	1 year standard 3 yr AppleCare, add \$129	1 year limited warranty 3 yr warranty, add \$139.95
<b>Cost</b>	<b>\$999</b> <b>\$1,328 (with keyboard folio)</b>	<b>\$849</b> <b>\$1128 (w/ keyboard folio)</b>	<b>\$539.95</b> <b>\$659.90 (w/ keyboard folio)</b>