

LAITS Computer Standards and Recommendations






LAITS Standard Recommendations

					
Model	Apple MacBook Pro 14"	Apple MacBook Pro 16"	Apple iMac 27"	Dell Latitude 7420 14"	Dell Optiplex 7090 (Small Form Factor) with 24" Dell U2417H
Operating System	OS X Big Sur 10.16	OS X Big Sur 10.16	OS X Big Sur 10.16	Windows 10 (Professional or Enterprise)	Windows 10 (Professional or Enterprise)
Specs	<p>Apple M1 chip with 8-core CPU, 14-core GPU and 16-core Neural Engine 16GB unified Memory 512GB SSD Liquid Retina XDR display Three Thunderbolt 4 ports, HDMI port, SDXC card slot, MagSafe 3 port</p> <p>11 hour battery life</p>	<p>Apple M1 Pro with 10-core CPU, 16-core GPU, 16-core Neural Engine 16GB memory 512GB SSD Liquid Retina XDR display Three Thunderbolt 4 ports, HDMI port, SDXC card slot, MagSafe 3 port</p> <p>14 hour battery life</p>	<p>3.3GHz Intel 6-Core i5 16GB memory 512GB SSD Radeon Pro 5300 27" display (5120x2880)</p> <p>Apple Magic Keyboard Apple Magic Mouse 2</p>	<p>3.0GHz Intel i7 (11th gen) 16GB memory (1x16GB) 512GB Class 40 SSD Intel® Iris XE Graphics 14" FHD display (1920x1080) IR Cam/Mic, Carbon Fiber, Touch Intel Dual Band Wireless + Bluetooth (3) USB 3, (1) Thunderbolt 11 hour battery life</p>	<p>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</p> <p>Dell Wireless Desktop Keyboard and Mouse -KM636</p>
Weight	3 pounds	4.5 pounds		3 pounds	
Warranty	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
Cost	\$1,849	\$2,299	\$2,079	\$1,557.05	\$1,327.34 Optiplex 7090 \$1,147.35 P2419HC Monitor \$179.99



Budget Recommendations

					
Model	Apple MacBook Air 13"	Apple MacBook Pro 13"	Apple iMac 24"	Dell Latitude 5420 14" Clamshell	Dell Optiplex 5090 with 24" Dell P2417H
Operating System	OS X Big Sur 10.16	OS X Big Sur 10.16	OS X Big Sur 10.16	Windows 10 (Professional or Enterprise)	Windows 10 (Professional or Enterprise)
Specs	<p>Apple M1 chip with 8-core CPU, 7-core GPU and 16-core Neural Engine 8GB memory 256GB SSD 13.3" retina display (1440x900) 12 hour battery life 2 - Thunderbolt 4 ports</p> <p>18 hour battery life</p>	<p>Apple M1 chip with 8-core CPU, 8-core GPU and 16-core Neural Engine 8GB unified Memory 512GB SSD 13" retina display (2560x1600) 2 - Thunderbolt 4 Ports</p> <p>20 hour battery life</p>	<p>Apple M1 chip with 8-core CPU 8GB memory 256GB SSD Gigabit Ethernet Two Thunderbolt / USB 4 ports Two USB-3 ports</p> <p>Apple Magic Keyboard Apple Magic Mouse 2</p>	<p>Intel Core i5 (11th Gen) 16GB memory 256GB Class 40 SSD Intel XE Graphics 14" display (1920x1080) Camera & Microphone/ Non-Touch</p>	<p>3.2GHz Intel Core i5 16GB memory (1x8GB) 512GB Class 40 PCIe SSD Intel Integrated Graphics 24" display (1920x1080) Intel® Wi-Fi 6 AX201 DVD+/-RW</p> <p>Dell Wireless Desktop Keyboard and Mouse - KM636</p>
Weight	2.96 pounds	3 pounds		3.88 pounds	
Warranty	1 year standard 3 yr AppleCare, add \$183	1 year standard 3 yr AppleCare, add \$199	1 year standard 3 year Applecare, add \$119	4 year ProSupport Plus	4 year ProSupport Plus
Cost	\$899	\$1,399	\$1,399	\$1,294.00	\$1,141.69 Optiplex 5090 - \$961.70 P2419HC Display -



Performance Recommendations

					
Model	Apple Mac Pro	Apple MacBook Pro 16"	Dell Latitude 9520 15"	Dell Precision 5560 15"	Dell Precision T3650 with 24" Dell P2417H
Operating System	OS X Big Sur 10.16	OS X Big Sur 10.16	Windows 10 (Professional or Enterprise)	Windows 10 (Professional or Enterprise)	Windows 10 (Professional or Enterprise)
Specs	3.5 GHz Intel 8-Core Xeon E5 32GB memory 512GB SSD Dual AMD Radeon Pro 580X Recommended Display Pro Display XDR 32-inch \$5998 with stand 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	3GHz Intel Core i7 16GB memory 512GB Class 35 SSD Intel Iris XE Laptop, 15.0" FHD (1920x1080) Non-T, AG, IR Cam + P-Sensor, Shutter, Mic, SLP, Cmft View+ (400 Nits)	2.5GHz Intel 8 Core i7 32GB memory 512GB SSD Nvidia T1200 graphics 15.6" display, Platinum Silver (3840x2400) touch w/ IR Cam (3) USB 3 12 hour battery life	3.6GHz Intel Core i7 128GB memory (2X16GB) 512GB Class 40 SSD AMD Radeon Pro WX3200 Keyboard and Mouse Combo - KM7120W DVD-RW optical drive
Weight		4.5 pounds	3 pounds	4 pounds	
Warranty	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
Cost	\$3,339.00 Mac Pro - \$3,339.00	\$2,839.00	2,052.22	\$3,008.34	\$2,650.74 Precision T3650 - \$2,470.75 P2419HC Display - \$179.99

Ultra-Portable Recommendations

		
Model	Apple 12.9" iPad Pro	Microsoft Surface Pro 8
Operating System	iOS 15	Windows 10
Specs	<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>3 GHz Intel Core i7 16GB memory 512GB Intel Iris Xe Graphics 12.3" PixelSense Display (2736x1824) 10 point multi-touch</p> <p>(2) USB Type-C Supports USB 4.0 and Thunderbolt 4 with transfer. (1) Surface Connect (1) 3.5mm Headphone Jack</p> <p>16 hour battery life</p>
Weight	1.4 pounds	1.96 pounds
Warranty	1 year standard 3 yr AppleCare, add \$129	3 year Extended Plan (\$249.95)
Cost	\$999 \$1,328 (with keyboard folio)	\$1,679.95 Type Cover (\$139.95) Surface Dock (\$179.95)



All in One Recommendations

		
Model	Apple iMac 27" with 5K Retina Display	Dell OptiPlex 7780 27" All In One (AIO)
Operating System	OS X Big Sur 10.16	Windows 10 (Professional or Enterprise)
Specs	<p>3.3GHz Intel 6-Core i5 16GB memory 512GB SSD Radeon Pro 5300 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 WVA Non-Touch Anti-Glare, Camera, IntegratedGraphics, Platinum 220w PSU</p> <p>Dell Wireless Desktop Keyboard and Mouse - KM636</p>
Warranty	1 year standard 3 year Applecare, add \$119	4 year ProSupport with Next Business Day
Cost	\$2,079	\$1,514.63

Classroom Recommendations

		
Model	Apple Mac mini	Dell OptiPlex 7090 (Micro Form Factor)
Operating System	OS X Big Sur 10.16	Windows 10 (Professional or Enterprise)
Specs	3.2GHz Intel Quad Core i7 16GB memory 256GB SSD Intel UHD Graphics 630 Recommended 24" display (1920x1080)	2.0GHz Intel Core i7 16GB memory 512GB Class 40 SSD Intel Integrated Graphics 130 Watt AC Adapter Add Optional HDMI Intel® Wi-Fi 6 AX201 Dell Desktop Keyboard and Mouse - KM5221W included
Warranty	1 year standard 3 yr AppleCare, add \$79	4 year ProSupport with Next Business Day
Cost	\$1,409.00	\$1,020.15

2-in-1 Recommendations

		
Model	Apple 12.9" iPad Pro	Microsoft Surface Pro 8
Operating System	iOS 15	Windows 10
Specs	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	3 GHz Intel Core i7 16GB memory 512GB Intel Iris Xe Graphics 12.3" PixelSense Display (2736x1824) 10 point multi-touch (2) USB Type-C Supports USB 4.0 and Thunderbolt 4 with transfer. (1) Surface Connect (1) 3.5mm Headphone Jack 16 hour battery life
Weight	1.4 pounds	1.96 pounds
Warranty	1 year standard 3 yr AppleCare, add \$129	3 year Extended Plan (\$249.95)
Cost	\$999 \$1,328 (with keyboard folio)	\$1,679.95 Type Cover (\$139.95) Surface Dock (\$179.95)

Tablet Recommendations

			
Model	Apple 12.9" iPad Pro	Apple iPad Pro 11"	Microsoft Surface Go
Operating System	iOS 15	iOS 15	Windows 10
Specs	<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>
Weight	1.4 pounds	1 pound	1.15 pounds
Warranty	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
Cost	\$999 \$1,328 (with keyboard folio)	\$849 \$1128 (w/ keyboard folio)	\$539.95 \$659.90 (w/ keyboard folio)