# District Information Systems
## Computer Standards

9/1/2022

The district supports three different computer platforms: PCs, Macs, and Virtual Desktops (VDI). Although the preference is PC due to better overall lifecycle support, incidental requests for Apple Macs can be justified with a proper business need requirement.  The district will provide a basic desktop computer at one location with a maximum unit cost of $2000.  Requests for laptop computers are considered given a legitimate business need for working from home. The desktop computer resource comes at no cost to the department except under the following conditions:

1. When the request is above and more advanced that the established standard.
2. When there is no justified business need for the request.

Under these circumstances, this type of request can still be fulfilled but it will be at the requesting department's expense or if the request is approved by the IT Director of Operations with consultation with the Vice President of Administration (given the use case). The pricing and specifications shown are estimates. The first section covers PCs and Macs are covered at the end.

PC computer equipment:  Options include Laptop, All-in-One (AIO) Desktop, Micro Desktop, and Thin Client Virtual desktop computers.

|  | Dell Latitude 2 in 1 | Dell OptiPlex AIO Desktop | Dell OptiPlex Micro Desktop | Dell Optiplex Thin client |
|---|---|---|---|---|
| Type | 14-inch 2 in 1, Laptop / Tablet | 23.8" Touch Screen All-in-One Computer | OptiPlex Micro Form Factor Computer | Optiplex Thin Client Virtual Desktop |
| Processor | Intel i7 processor | Intel i7 processor | Intel i7 processor | Intel Celeron Processor |
| Disk | 1 TB, SSD | 512 GB, SSD | 512 GB, SSD | 256 GB, SSD |
| Memory | 16 GB | 16GB | 16GB | 8GB |
| Carrying Case | Dell Pro Briefcase 14 | N/A | N/A | N/A |
| Stylus | Dell Active pen | N/A | N/A | N/A |
| External monitor | Dell 27" USB-C hub monitor | Optional 2nd monitor support | Dell 27" Ultra Sharp monitor | Dell 27" Ultra Sharp monitor |
| External sound | Stereo Soundbar | Built in Speakers | Stereo Soundbar | Stereo Soundbar |
| Wireless keyboard & mouse | Dell multi-Keyboard/Mouse Combo | Dell multi-Keyboard/Mouse Combo | Wired Keyboard & Mouse, Wireless Ready/Ethernet | Wired Keyboard & Mouse, Ethernet Connection |
| Cost | $2500 | $1900 | $1700 | $750 |

| Purpose | This machine allows Faculty to work from their campus office, the classroom, or from home.  While working in their office, they will have access to a 27-inch USB-C Hub monitor that will have additional peripherals such as wireless keyboard & mouse and ethernet.  The Latitude 7400 has the additional benefit of a touch screen / stylus user to take notes or annotation. | All in One Computer Web Cam, Wireless and Ethernet ready. This All-in-One computer has an Anti-Reflective 27" Touch Screen with Built-in Web Cam with multiple USB ports. Easily connect to Wireless and Bluetooth Devices.  Has a small footprint and convenience of everything in one unit | Micro-Form Factor Computer. Connect to Dell 24" Monitor. This OptiPlex Micro-Form Factor and Dell 27" Ultra Monitor is a typical combination standard in offices. The computer has multiple USB 3.0 ports, USB-C in Front and HDMI and Display Ports. Combination of Ethernet and Wireless Network connection. The Dell Ultra Monitor provides clear and flicker free screen | The Optiplex Thin Client is utilized in our VDI environment. This Thin Client combined with the Dell 27" Ultra Sharp monitor provides flexibility in areas that require multiple logon profiles or configured for counter area or student use.  The Thin Client has two Display Ports and multiple USB ports in front and back. Note: Will require IS/ETS Department to provision the use of VMware VDI. |
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Apple computer equipment: Options are included for a Macbook Laptop, and an IMac Desktop.

|  | **Apple Macbook** | **Apple IMac** |
| --- | --- | --- |
| Type | 13" Macbook Pro, Retina Display | 24" IMac Desktop, 4.5k Retina Display |
| Processor | Apple M2 8 Core Processor<br>16 Core Neural Engine<br>10 Core GPU | Apple M1 8 Core Processor<br>8 Core GPU |
| Disk | 512 GB, SSD | 256 GB, SSD |
| Memory | 8 GB | 8GB unified memory |
| Carrying Case | Optional, Suggested | N/A |
| Stylus | N/A | N/A |
| External monitor | Optional | N/A |
| External sound | Integrated speakers | Integrated speakers |
| Wireless keyboard & mouse | Optional | Wireless Magic Keyboard & Mouse. |
| Cost | $1599 | $1499 |
| Purpose | This machine allows Faculty to work from their campus office, the classroom, or from home. | IMac Computer with integrated webcam, wired and wireless network ready. This computer has Thunderbolt and USB3 & 4 connectivity |