

Recommended Make/Brand: Lenovo/Dell Desktops

Tech Specs for MIS Technicians

Specifications:

1. **Processor:** AMD Ryzen™ 7 7700 Processor (3.80 GHz up to 5.30 GHz) or 14th Generation Intel® Core™ i9-14900K Processor with vPro® (E-Core Max 4.40 GHz, P-Core Max 5.60 GHz with Turbo Boost, 24 Cores, 32 Threads, 36 MB Cache)
2. **Operating System:** Windows 11 Pro 64
3. **Graphic Card:** NVIDIA® GeForce RTX™ 4070 Ti SUPER 16GB GDDR6X
4. **Memory:** 32 GB DDR5-5200MHz (UDIMM) - (2 x 16 GB)
5. **Storage:** 2 TB SSD M.2 2280 PCIe Gen4 Performance TLC
6. **AC Adapter/Power Supply:** 850W
7. **Cooling System:** 150W 120mm Air Cooling +1 x Rear +2 x Front with ARGB Fan
8. **Keyboard:** USB Traditional Keyboard - US English
9. **Pointing Device:** USB Optical Mouse
10. **Software:** Microsoft Office LTSC (Long Term Servicing Channel) Professional Plus 2021 or VLSC
11. **LCD Monitor:** 27-inch VA Gaming Display/1920 x 1080 FHD resolution/280Hz refresh rate
12. **Additional Accessories:** WEBCAM and Head set for virtual teleconference
13. **UPS/APC Back-UPS:** 650 8 Outlet Surge Protector and Battery Backup (120V)
14. **Software:** Microsoft LTSC 2021 Professional
15. **Warranty:** 1 Year On-site

Specifications for Faculty and Staff

1. **Processor:** Intel® Core™ i5 14600 (24 MB cache, 14 cores, 20 threads, up to 5.2 GHz Turbo, 65 W)
2. **Operating System:** Windows 11 Pro, English
3. **Graphic Card:** Intel Integrated Graphics
4. **Memory:** 16 GB: 2 x 8 GB, DDR5, 5600MT/s, SO-DIMM, non-ECC
5. **Storage:** 1 TB, M.2, Gen 4 PCIe NVMe, SSD
6. **System Management:** Intel Management Engine with vPro
7. **Intel Performance Features:** Intel® Rapid Storage Technology Driver, Precision 3460
8. **Chassis Options:** Precision 3460 SFF with 300W (80 Plus Platinum) PSU, RPL-R compatible (System Fan)
9. **Keyboard:** USB Traditional Keyboard - US English
10. **Pointing Device:** USB Optical Mouse
11. **Software:** Microsoft Office LTSC (Long Term Servicing Channel) Professional Plus 2021 or VLSC
12. **LCD Monitor:** 24.0 inch. Input Connectors: VGA+HDMI1.4+DP1.2
13. **Additional Accessories:** WEBCAM and Head set for virtual teleconference

14. **UPS/APC Back-UPS:** 650 8 Outlet Surge Protector and Battery Backup (120V)
15. **Software:** Microsoft LTSC 2021 Professional
16. **Warranty:** 1 Year On-site

Specifications for ASCC Computer Labs

1. **Recommended Brand:** Dell/Lenovo
2. **Processor:** AMD Ryzen™ 7 PRO 5750GE Processor (3.20 GHz up to 4.60 GHz) or 13th Generation Intel® Core™ i7-13700K vPro® Processor (E-cores up to 4.20 GHz P-cores up to 5.30 GHz)
3. **Operating System:** Windows 11 Pro
4. **Microsoft Productivity Software:** Microsoft Office LTSC (Long Term Servicing Channel) Professional Plus 2021 or VLSC
5. **Memory:** 16 GB DDR5-4000MHz (SODIMM)
6. **Storage:** 512 GB SSD M.2 2280 PCIe TLC
7. **Keyboard:** USB Traditional Keyboard - US English
8. **Pointing Device:** USB Optical Mouse
9. **Speakers:** Internal Speaker (Optional)
10. **Warranty:** 1 Year On-site
11. **LCD Monitor:** 24.0 inch. Input Connectors: VGA+HDMI1.4+DP1.2
12. **UPS/APC Back-UPS:** 650 8 Outlet Surge Protector and Battery Backup (120V)

Specifications for Technology Computer Lab

1. **Recommended Brand:** Dell / Lenovo
2. **Operating System:** Windows 11 Pro
3. **Processor:** AMD Ryzen™ 9 7900 Processor (3.70 GHz up to 5.40 GHz) or 13th Generation Intel® Core™ i7-13700K vPro® Processor (E-cores up to 4.20 GHz P-cores up to 5.30 GHz)
4. **Graphic Card:** NVIDIA® GeForce RTX™ 4070 Ti 12GB GDDR6X
5. **Memory:** 32 GB DDR5-5200MHz (UDIMM) - (2 x 16 GB)
6. **Storage:** 512GB/1TB SSD M.2 2280 PCIe Gen4 Performance TLC
7. **Pointing Device:** USB Optical Mouse
8. **Keyboard:** USB, Black - English (US)
9. **Software:** Microsoft Office LTSC (Long Term Servicing Channel) Professional Plus 2021 or VLSC
10. **Software Optional:** ARC GIS, Travis and AutoCAD
11. **Monitor Size:** 24.0 inch. Input Connectors: VGA+HDMI1.4+DP1.2
12. **Optional Additional Accessories:** WEBCAM and Head set for virtual teleconference
13. **Warranty:** 1 Year
14. **Additional:** UPS backup Battery / APC Back-UPS 650 Battery Backup and Surge Protector Black