

Latest Rev June 2019
THE NAVAJO NATION
DEPARTMENT OF INFORMATION TECHNOLOGY

“Our goal is to purchase a computer system that will not be obsolete or outdated equipment for at least 3-years. It must be covered by 3-years of warranty” And should provide a consistent user experience and have a standard of management capabilities.

LAPTOP/NOTEBOOK MINIMUM RECOMMENDED COMPUTER SPECIFICATIONS FOR STANDARD MOBILE USER

- **BRAND:**
HP, DELL, Lenovo, etc., (the well-known names in the industry). **Do not purchase consumer (home, media, student) class notebooks.** Always purchase business class products for the longer life cycles, quality, support and manageability.
- **INTEL PROCESSOR:**
 - i5, i7 or i9 (Intel 7th, 8th or 9th generation processors)
- **OPERATING SYSTEM:**
 - Microsoft Windows 10 Professional (As of June 2020, Microsoft ends supporting Windows 7)
- **APPLICATION SOFTWARE:**
 - Microsoft Office Professional 2019 (latest Full Version software). Either purchased via Microsoft ESD (Electronic Software Distribution) or Microsoft VLSC (Volume License Center for larger quantities)
- **ANTIVIRUS/SPYWARE/ADWARE/FIREWALL:**
 - Emsisoft Business Security (3 year license)
- **SYSTEM BOARD:**
Required features:
 - TPM 1.2 -> 2.0
- **MEMORY:**
 - DDR4 Memory. 8GB is recommended. 16GB or 32GB for High End GIS or Adobe Premier Users
- **HARD DRIVE:**
 - Recommend standardizing on SSD (Solid State Drive with no moving parts) as opposed to SATA 7200RPM Spinning HDD – it is the best value upgrade out of all components today
 - Size ranges are 256GB, 512GB, 1TB, or 2TB
- **EXTERNAL HARD DRIVE (Optional):**
 - 500GB or 1TB to be used for data backups
 - Speed (e.g., USB 3.1/2 Gen2, Thunderbolt) should be specified
- **DVD BURNER DRIVE:**
 - 8x speed. Choice between DVD Reader, DVD-Burner, Blue Ray Reader or Blue Ray Burner. Most new computers do not include these, so an External USB DVD Burner may need to be purchased separately.
- **ETHERNET PORT:**
 - Recommended to connect to network; option is to connect via docking station
- **WIRED OR WIRELESS NETWORK CARD:**
 - 10/100/1000 Network Card built onboard is normal
 - Most Laptops and All-In-One Desktops come standard with Wireless cards. Normal Desktops would need to purchase a wireless card separately if required. Plugging in a hardwire cable is faster and more secure, so wireless is optional
- **BLUETOOTH:**
 - Bluetooth is an open wireless technology used to connect to external Bluetooth devices.
- **BATTERY:** Batteries normally come with 1 year warranty. Recommend Long Life battery or 3 year warranty uplift if available for better performance and 3 year warranty.

- **CARRY CASE: (Optional)**
Purchase a carry case that is convenient and comfortable for you. Include printer compartment, if purchasing portable printer.
- **WEBCAM (Optional):** usually standard with most devices but can be optional
- **SCREEN SIZE:**
Choosing your notebook's screen size is very important decision. Someone that travels often might seriously consider a smaller notebook that weighs less. Someone that uses their notebook instead of a desktop might require more power and a larger screen.

Options: 11.6", 12.5", 14.0", 15.6", 17"

Tip: The new standard for screens is LED, which is brighter and requires less power.

- **WARRANTY:**
3-Year Parts and Labor Onsite. Recommend ADP (Accidental Damage Protection) for Laptops.

US Based Support is preferred.