

## TECHNOLOGY REQUIREMENTS

For StreamlineMD Software Use via Microsoft Remote Desktop Protocol (RDP)

*The following minimum standards are subject to change*

As of: 10/1/2023

### Workstations - Desktops and Notebooks

- Install “business grade” workstations, printers, and scanners from one of the following vendors: HP, Dell, Fujitsu, and Epson.
- Intel Core i5 10<sup>th</sup> Gen Processor or equivalent AMD Ryzen 5 Processor
- 8gb RAM minimum
- 256gb SSD Hard Drive
- 802.11 a/b/g/n/ac 2.4/5Ghz Wireless (optional)
- 1gb Wired Network Adapter
- 1080P capable video card & color monitor
- Mouse or another pointer device
- Microsoft Windows 10 Home or Windows 10 Pro Operating System
- Apple Mac OS X current version capable with Microsoft RDP for Mac
- Microsoft Office Excel and/or Word to utilize data export and/or text editing features
- Install at least one functional Microsoft OS computer at each site

Links to Purchase Recommendations:

- [Desktop Computer](#)
- [Conventional Notebook](#)
- [Convertible Ultra Notebook](#)
- [Touchscreen ALL-IN-ONE Computer](#)

### Tablets and Mobile Devices

- StreamlineMD Apps: SMD Clipboard (iOS only), SMD Mobile (iOS or Android)
- Microsoft RDP access (iOS or Android)
- Apple iPad, iPad Pro (all versions), iPad Mini or iPhone
- Apple Pencil is suggested but not required
- Apple’s current version of iOS must be installed
- Microsoft’s RDP for iOS must be installed if the iPad or Android tablet will be used to access StreamlineMD directly

Links to Purchase Recommendations:

- [Tablet Device](#)

### Laser Printers

- Required for outgoing records, notes, letters, reports, etc.
- Required for Reports, Prescriptions & general use
- HP LaserJet network printer with a network Fax modem.
- Prescription printer meeting Schedule 2 prescription order requirements for your State. (Required specifically for StreamlineMD EHR)

Links to Purchase Recommendations:

- [PRINTER](#)
- [PRESCRIPTION PRINTER](#) (Ethernet option required, purchased separately)

- [Star Micronics Printer Rx Paper Rolls](#)
- [Laser Printer Rx Paper](#)

### Scanners and Imaging

- Required to import paper documents and insurance cards into StreamlineMD
- [Epson DS530II](#) (Mac iOS or Microsoft OS)
- [Card Scanner](#) ScanShell 800N (for Driver's License and Insurance Cards only)
- TWAIN compatibility required

### Cameras and associated equipment

- Web Camera - Please purchase a camera that has software compatible with one of the following operating systems: Microsoft Windows 10, 8.1. The Webcam software must be able to interface or create a pass-thru for Windows RDP.
- Clinical and General Photography - Please purchase a camera which has the capability to save images to a computer with the following operating systems: Microsoft Windows 10, 8.1, or the current version of Mac OS.

### Data Communications

- The components of Data Networking are like links in a chain, and "a chain is only as strong as its weakest link."
- Always install "commercial grade" equipment for wireless networks.
- Premise Switch - Cisco SG350-28P 28 Port Gigabit POE Series Managed Switch
- Router - if not included with broadband Internet service - Cisco RV325 Router (includes a 14 port Gigabit Ethernet Switch, Firewall, and VPN)
- Wiring/Cabling - 1000BASE-TX CAT6 premise wiring (gigabit-capable wiring)
- Wireless Access Point - Ubiquity UniFi Pro Access Point AC Wireless 802.11 a/b/g/n/ac
- Cellular Internet Backup System - Verizon LTE Internet and Home Phone Sharing
- Telephone - (Telephone) Line for inbound Fax Services
- Fax Modem for inbound fax services unless eFax is being utilized

Links to Purchase Recommendations:

- [Premise Switch](#)
- [Fax Modem](#)
- [Broadband ROUTER](#)
- [WIRELESS Access Point](#)
- [Cellular Internet Backup System](#)

### Internet Service

- Broadband Internet Service Requirements - Minimum 15 Mb up and 100 Mb down for a maximum of 5 users or scanners plus 1mb up and 2mb down for each additional user, scanner or printer
- For practices using cloud-based PACS systems with clinical device interfaces for Ultrasound, C-Arm, or CT imaging, the bandwidth requirements per location should be professionally and separately analyzed. Please contact StreamlineMD Help Desk at [helpdesk@streamlinemd.com](mailto:helpdesk@streamlinemd.com) for assistance.

### VPN Security

- A VPN is required to access StreamlineMD software. If you are using a Windows computer, StreamlineMD will assist with the installation and support of OpenVPN, an open-source free VPN product. Mac computers will require Viscosity VPN from the third-party company Spark Labs. The Viscosity VPN App is typically a small additional fee of approximately \$15. For any VPN installation questions, or for assistance creating a

VPN connection on an existing computer, please contact the StreamlineMD Help Desk at [helpdesk@streamlinemd.com](mailto:helpdesk@streamlinemd.com).

- A VPN gateway device may be required for practices that want information to flow automatically from clinical devices, such as vitals monitoring equipment, directly into the StreamlineMD EHR. Please contact StreamlineMD Help Desk at [helpdesk@streamlinemd.com](mailto:helpdesk@streamlinemd.com) for assistance with this option.

### Speech to Text

- These suggestions are best practices but do not guarantee success
- Direct Speech to Text input into StreamlineMD or any Terminal Services based technology requires that the following items be present and available.
- Intel Core i7 Processor or equivalent AMD Processor
- Microsoft Windows 10 Professional (Mac OSX not directly supported)
- 4gb RAM minimum
- Noise-cancelling microphone
- Network protocol prioritizing Internet router REQUIRED
- Certified Enterprise Level Internet connection with a Service Level Agreement (SLA)

Links to Purchase Recommendations:

- [Noise Cancelling Microphone](#)

Speech-to-Text Considerations:

- There are two options for Nuance Dragon as it relates to StreamlineMD:
  - *Option 1* - You may dictate directly into the Text boxes configured into the notes within StreamlineMD's EHR Terminal Server session using a MICROSOFT based operating system. This relies on the capacity and stability of your Internet connection which StreamlineMD neither warrants or controls in any way.
  - *Option 2* - You may dictate into a local computer (Mac or PC) word processor and then copy/paste the information into StreamlineMD's Terminal Services session using the Text boxes configured in the notes.
- Nuance corporation does not currently sell or support Dragon Naturally Speaking for Mac OSX. However, Nuance does support using Parallels and Microsoft Windows to run Dragon Naturally Speaking inside a Parallels virtual session using Mac OSX.