

Nextech EHR System Requirements

Updated: August 2024 – **Business Confidential**



Adhering to the following specifications will enable your practice to best utilize our web-based applications. Internet speed has the most impact on your PM/EHR running efficiently. Any operating systems or browsers not mentioned in this document are not supported.

Specification	Recommended	Notes
Web Browser	Google Chrome (<i>latest stable version</i>)	
Operating System	Windows 10 OR newer with 64 Bit operating system	Our EHR is optimized for Windows OS. Apple users may access the EHR using the latest version of Google Chrome for their iOS devices.
RAM	8 GB minimum	
Hard Drive	128 GB minimum	
Processor	Core i5 Gen 3 and above, i7 and i9	
Network Connectivity	Fiber Connection Wired connection for highest reliability	Premium routers with automatic fail-over backup connections are a must for minimal disruption
Wifi	Comprehensive wireless LAN access, tested for signal strength in all areas of the clinic	
Primary Devices	Windows based PC, Laptop or Tablet PC	Secondary Devices: Mac, iPad Pro <i>Note: Printing and IntelleFile is not supported on iPad</i>
Monitor Size	Minimum – 19” (Non-Clinical Users) 22”-24” recommended for exam rooms and clinical users.	Touchscreen optimal for physician drawings and signing electronic consents/forms Use of dual monitors is strongly recommended
Screen Resolution	1920x1080 with highest pixel resolution available	Smaller resolutions sized may result in additional scrolling
Printer	Accessible from any computer on the network for printing prescriptions and patient records.	
Adobe Reader	DC Version	
Antivirus Software	Recommend for all computers with access to Nextech EHR	
Software Update	Latest Service Packs/Updates for the Windows Operating System	
USB Web Cam	Optional for patient chart photo capture	
Document / Card Scanner	TWAIN driver compatible scanners are recommended	Configured to save .jpeg, .tiff, or .pdf files on a local folder or network share
Topaz Signature Pad	Supported Models: T-LBK460-HSB-R T-LBK462-HSB-R	Not required if using a touch screen monitor/device for capturing patient signature for consents/forms

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Additional Considerations

Use of Thin Clients

- When running Nextech EHR in remote desktop, terminal services, Citrix, or any virtualized environment it is important that the user profile can see local hardware resources to prevent disruption in IntelFile or Topaz signature device usage. **Please speak with a Nextech Technical Resource if you have any questions.**

Internet Access

- Bandwidth needs are increased if other office applications are utilizing network resources (Internet based Practice Manager, Telephone services, Internet Radio, Internet Billing, your practice's cellphone connected to your Wi-Fi, etc.).
- Wired connections will provide a more reliable connection and are strongly recommended where applicable.

Wireless (Wi-Fi)

- Talk to your local IT or networking provider to handle the installation and placement of access points, security, extra LAN and power outlets, and any new equipment.
- Wireless networks using 802.11B, G, or N can be disrupted by radio frequencies in the public domain, including microwaves and 2.4 GHz cordless phones. The presence of these types of devices should be carefully considered when configuring and testing a wireless network. Disabling the 2.4 GHz wireless networks will improve wireless connections.
- Wireless access is **not** recommended for Diagnostic equipment.

Diagnostic Imaging Equipment (Image/Report Generation)

- Connected to the network with Anti-Virus software installed
- **DICOM is unsupported**
- Configured to save image files in JPEG, TIFF or PDF format into a local folder or network share for uploading to patient charts. Video files cannot be uploaded to the patient file.
- **CAUTION:** any updates to another vendor's equipment should be first cleared with the vendor if the device is still under contract/warranty.
- Devices running Windows XP and older are no longer HIPAA compliant and must export reports/images to a shared folder then uploaded to the chart from a PC running Windows 7 or newer.
- Some equipment that may not be networkable can still upload images with the addition of image/printer capture equipment and software (some Visual Fields, IOL Masters, etc.)
- Nextech recommends that all diagnostic devices be hardwired to reduce instances of interference with report upload.
- All equipment, software, upgrades, and connections must be in place before integration to insure completion of office setup.

Telehealth

Telehealth usage has additional requirements above and beyond the normal networking requirements:

- Mac/PC/Chromebook with camera, microphone, and speakers or a modern phone (iOS/Android) or an iPad.
- For the best experience in the office, especially with multiple providers, you'll need at least 100/100 MBPS for your Internet connection.
- Google Chrome, Mozilla Firefox, or Safari (latest release versions)
- You'll need to have the latest operating systems such as Windows 10 or MacOS Catalina to obtain the latest versions of the browsers listed above
- JavaScript must be enabled (this is enabled by default in most browsers)
- Make sure TCP ports 80 and 443 are open (sometimes firewalls will block these ports, ask your IT team if you can't connect with someone if this is causing it)
- For iOS and Android:
 - Use Safari on your iOS devices (latest version of iOS)
 - Google Chrome on your Android device
- Compatibility:
 - We are not compatible with Amazon Kindle and other e-readers.

Appendix A - Device Compatibility

Imaging and Report Producing Devices

- Devices that can produce images and reports as a PDF or JPEG are compatible with Nextech EHR. These devices must be networked and able to send to a network shared folder.
- Devices with non-Windows operating systems are not supported. Devices with operating systems older than Windows 10 are not HIPPA compliant; adding them to a network environment can be a security concern. Please consult with your IT Support.
- DICOM is not supported.

Refractive Devices that Produce Discrete Data (XML)

- Only refractive devices that export data as an XML file to a shared network folder are compatible with Nextech EHR. Device must either be networkable or cabled to an attached PC with manufacturer software for producing the XML file of refraction data.
- DICOM is not supported.

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IntelleFile Uploading to the Patient Chart

- All images, reports and discrete data must be uploaded to the patient's chart with our proprietary uploader IntelleFile from a device meeting our minimal technical requirements.
- Images and Reports will load to our image viewer. Discrete Data can be loaded to the fields of the day's encounter. (Refraction, Lens Reading, K's, etc)



If you have any questions or concerns about these specifications and how they may impact your organization, please speak with your Nextech representative for additional discovery and evaluation of your specific needs.