

NexCloud/IntelleChartPRO Device Specifications

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Combined System Requirements

Region and Location Support

- US Eastern Time Zone
- US Central Time Zone
- US Mountain Time Zone
- US Arizona Time Zone

Workstation Requirements

- Client Device and OS
 - Windows-based PC Laptop or Tablet PC running Windows 10 or higher
- Hardware Specifications
 - Minimum RAM: 8 GB
 - Minimum available hard drive space: 10 GB
 - Recommended Processor: Core i5 Gen 3 and above, or i7
 - Microsoft .NET Framework: version 4.5 and above with the latest updates for running IntelleFile, IntelleSign, and IntelleDraw
 - Adobe Reader: Version 11 or greater
 - Supported Browser: Google Chrome (<u>latest stable version</u>)
 - Antivirus Software on all computers with access to IntelleChartPRO

Network Connectivity

Internet Access

# of Users Logged in at the Same Time	Minimum Bandwidth Down/Up*	Better Efficiency Down/Up*
1-10	30/10	75/20
10-30	50/20	100/50
30-60	100/50	100/100
60+	Fiber Connection	Fiber Connection

^{*}Minimum Bandwidth per Location for just Nextech Software

- Bandwidth needs are increased if other office applications are utilizing network resources (telephone services, internet radio, internet billing, users connected to WiFi, etc)
- Redundant internet connections from different ISPs are strongly recommended to reduce downtime caused by internet providers. Premium routers with automatic fail-over to backup connections are a must for minimal disruption, e.g. BGP.
- Wired connections will provide a more reliable connection and are strongly recommended where applicable.

Telehealth

Requirements

- Mac/PC/Chromebook with camera, microphone, and speakers or a modern phone (iOS/Android) or an iPad.
- For a good experience in office, especially with multiple providers, you'll need at least 100/100 MBPS for your Internet connection.
- Google Chrome, Mozilla Firefox, Microsoft Edge, 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)

NexCloud/IntelleChartPRO Device Specifications - Telehealth

• 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 11+ 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.

Combined Peripheral Support

Printers

Windows-compatible LaserJet printers are recommended

Barcode Scanners

- Nextech supports Serial Emulation USB barcode scanners. Tested models include Metrologic MK9520-72A38 or MK9520-32A38, & Honeywell Voyager
- 1200g (wired) or 1202g (wireless). [Keyboard wedge scanners are not supported]

Document/Image Scanners

- Any TWAIN driver compatible scanner. **
 - **ScanSnap scanners do not include TWAIN drivers and are not supported by NexCloud

Camera/Card Scanners

• WIA camera/printer driver compatible devices work with IntelleChartPRO ONLY.

Voice Dictation

 Dragon Naturally Speaking Medical Edition required for voice dictation on the PC [the NexSpeak iPad voice dictation software, sold separately by Nextech, does not require Dragon Naturally Speaking]

Magnetic Stripe Readers

Tested models: MSR – ID Tech Mini-Mag Model Number IDMB-355133B (64-bit compatible)

Topaz Signature Pads

- **NexCloud Compatible Models:** T-LBK462-BSB-R is the only compatible model. Performs work over Terminal services.
- IntelleChartPRO Compatible Models: T-LBK460-HSB-R, T-LBK462-HSB-R
 - ***Note, currently IntelleChartPRO and NexCloud do not yet support the same Topaz devices.

Credit Card Readers

 Card readers for Integrated Credit Card Processing must be purchased at https://iccp.nextech.com/index.php/shop/ [MAC hardware is not supported]

Workstation Device Limitations

Combined Limitations

- **iOS:** No peripherals are supported on the iOS platform, such as printing, scanning, and camera functionality. However, this can be easily resolved by outfitting the office with at least one Windows PC to be used with peripherals.
- Non-Windows systems may be usable but with some limitations and are NOT RECOMMENDED for use as primary devices for either NexCloud or IntelleChartPRO.
- Some limitations apply ONLY to either IntelleChartPRO or NexCloud and are listed separately.

NexCloud Limitations

- Windows: Camera functionality embedded within a physical PC (such as an embedded laptop camera) is not supported. Exporting photos via NexPhoto to Power Point is not supported. Windows S Mode must be disabled to install the NexCloud Launcher on Microsoft Mobile devices such as a Surface
- Remote Desktop: If you are accessing NexCloud via a remote desktop session users can print from Remote Desktop but no other peripherals are supported on this platform
- **iOS:** Files cannot currently be imported from the file system. While camera utilization is not available directly through iOS, if camera use is desired, this can be done via the Nextech EMR iPad Application. MSWord merge through Letter Writing/EMR is not available on iOS.
- **Browser:** Users cannot print, scan, or use any peripheral device on this platform. MSWord merge through Letter Writing/EMR does not work on a browser. This platform is best for viewing and inputting data into the system but is not capable of merging letters, scanning, or printing.
- Mac: MSWord merge through Letter Writing/EMR does not work on Mac.
 While users can print from a Mac, no peripherals are supported on this
 platform. If a user desires to scan or merge letters, we do not recommend a
 Mac for that function. We recommend outfitting the office with at least
 one Windows PC for ease of use and optimal functionality and, if desired,
 utilize a Mac for viewing, inputting, and printing only.
- Android: This has the same limitations as the iOS and Browser platforms

IntelleChartPRO Limitations

 Non-Windows platforms may work if a supported version of Chrome is installed; however, some functionality may be missing. Android, iOS, and Mac are not officially supported operating systems for use with IntelleChartPRO. • **Mobile Versions of Chrome** are not officially supported. While IntelleChartPRO may work on mobile devices, workflows are not optimized for smaller screen sizes.

NexCloud Supported File Types

Windows Photo Viewer

- .bmp, .dib
- .jpg, .jpeg. Jpe
- .tif, .tiff
- .gif

LibreOffice

- .xls, .xlsx
- .doc, .docx, .rtf
- .ppt, .pptx

Adobe Reader

.pdf

Small Player (Windows Media Player is not supported for security reasons)

.wav

NexCloud Supported Interfaces

- Standard HL7 interfaces are supported (Windows PC required)
- Device imports are supported one way only. Images can be received back from the device, but cannot launch device-specific software that has been installed locally (Windows PC required)
- TouchMD is supported (HL7 only) (Windows PC required)
- Integrations through Nextech APIs (visit us at code.nextexch.com) are supported and other interfaces that use HL7 is also supported (i.e. MyMedLeads, custom interfaces, etc.).
- The following common interfaces are not currently supported (support plans in place for later releases):
 - MediGain

NexCloud Multiple Databases

 Every "database" must be its own subscription, with its own license key and record in the Internal licensing system. For example, customers that run a medical clinic and an ASC must purchase two subscriptions—one will be set up as "Medical" and another for "ASC." **NexCloud/IntelleChartPRO Device Specifications** - IntelleChartPRO Role-Based Recommendations (may vary per practice)

IntelleChartPRO Role-Based Recommendations (may vary per practice)

Administrative Users (Check-in/Check-out/Billing

- Desktop or Laptop meeting the General Hardware Requirements stated previously
- Monitor: Minimum 17" with 1280x800 pixel resolution A second monitor is highly recommended for viewing of PM and EHR screens, 19" or larger monitor with 1280x800 pixel resolution
- Printer located at the Check Out area accessible from any computer on the network for printing prescriptions and patient records
- The following Optional Equipment can be used to improve clinic workflow:
 - WebCam for patient photos
 - Examples: Microsoft Life-Cam, creative Live-Cam, Logitech Webcam
 - **Document Scanner** for scanning patient documents: WIA compatible, configured to save .jpeg, .tiff, or .pdf files on a local folder or network share.
 - Example: Fujitsu ScanSnap iX1500 or other multiple-page scanners
 - **Card Scanner** for scanning patient documents: WIA compatible, configured to save .jpeg, .tiff, or .pdf files on a local folder or network share.
 - Example: Ambir DS687 Duplex A6 ID Card Scanner or another similar double-sided card scanner
 - Topaz Electronic Signature for signing consent forms
 - Models: T-LBK460-HSB-R, T-LBK462-HSB-R only (NOT COMPATIBLE WITH NEXCLOUD)

Users (Technicians/Nurses/Other Administrative Staff (Charting))

- Desktop or Laptop meeting the General Hardware Requirements stated previously
- Touch Screen is not required for signing consents if using attached Signature Pad.
- Monitor: Minimum 17" with 1280x800 pixel resolution; Recommend 19" or larger with 1280x800 pixel resolution

Physicians (Drawing and Charting)

- **Tablet PC or Touch Screen Laptop** meeting the General Hardware Requirements stated previously. Business (not Consumer) computer models are recommended.
- Touch Screens are necessary for Drawing and Signing of Consent forms.
- Wireless mouse with scrolling capability and auto-shutoff feature.
- External monitor, approximately 22" to 24" in size, is strongly recommended in exam rooms for patient education and viewing of images. IntelleChartPRO Installation Requirements

IntelleChartPRO ONLY Peripherals

Fax Support

 Support for outbound faxing of referral letters from the IntelleChartPRO EHR is done using an internet-based faxing service. The first 500 pages per month are free, .05 per page for all subsequent pages.

Diagnostic Imaging Requirements

- 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.
- Meet General requirements stated previously to run the IntelleChartPRO EHR locally.
- 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 HIPPA 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. See Wireless section above for more information.
- All equipment, software, upgrades, and connections must be in place before integration to ensure completion of office setup.

Third-Party Viewing Software

- For third-party viewing software, the user needs to save image files in JPEG,
 TIFF or PDF format into a local folder or network share for uploading to
 patient charts. In these cases, devices that are currently connected to the
 third-party software will not be reconfigured. This applies to the following
 viewers:
 - Zeiss Forum
 - Sonomed Axis
 - OIS Digital Review
 - Optos Advance
 - Heidelberg Viewer
 - Nidek Viewer
 - Merge
 - SRS

IntelleChartPRO Installation Requirements

Chrome with Windows Remix ClickOnce Installation Instructions

- The IntelleDraw, IntelleFile and IntelleSign functions can be used on the Chrome browser by installing the Windows Remix extension. To do so, perform the following steps:
 - Open the Chrome browser
 - Go to Settings -> Extensions -> Get More Extensions
 - Search for "ClickOnce" and select "Windows Remix ClickOnce"
 - Click on "Add to Chrome"
 - Click on "Add Extension," then select "Open/Run the Installer"
 - Upon completion, an "Installed Successfully" message will appear

IntelleChartPRO Practice Letterhead Specifications

- Letterhead must be in the JPEG format
- The logo must be 1024 pixels wide and up to 300 pixels in-depth
- Footer and Header options are available
- A graphic artist is recommended to create and finalize your letterhead

IntelleFile Specifications

- All Devices running operating systems older than Windows 7 will need to export reports and images to a network shared folder, then upload to patient chart from a HIPPA compliant PC.
 - IntelleChartPRO does not currently support DICOM.
 - IntelleChartPRO currently only can store static images from PDF, JPEG, and Tiff files. Video cannot be upload to the patient file.

IntelleChartPRO – Diagnostic Devices for Integration

This list is subject to revisions or updates.

Heidelberg

Model	Integrate	Requirements	Onsite/Remote
HEP	Yes	Networked Export to Share If XP	Remote
HRT	Yes	Networked Export to Share If XP or Older	Remote
Spectralis OCT/FA/ICG	Yes	Networked Export to Share If XP	Remote

Kowa

Model	Integrate	Requirements	Onsite/Remote
Fundus Cameras	Yes	Networked Export to Share If XP	Remote
Non-Myd Cameras	Yes	Networked Export to Share If XP	Remote
VX Retina Cameras	Yes	Networked Export to Share If XP	Remote

Marco (Nidek)

Model	Integrate	Requirements	Onsite/Remote
AFC-330 Camera	Yes	Networked Export to Share	Remote
AR(K) Refractors	Yes	Marco Cable with Attached PC	Remote
ARK-1 (S or A)	Yes	Marco Cable with Attached PC	Remote
Epic RT2100	Yes	Marco Cable with Attached PC	Remote
Epic RT5100	Yes	Marco Cable with Attached PC	Remote
Handy Ref	Yes	Based connected to a dedicated PC	Remote
LM Auto Lens	Yes	Marco Cable with Attached PC	Remote

MS ARK	Yes	Marco Cable with Attached PC	Remote
NT 510	No		
OPD II	Yes	Networked for export of corneal map to network shared folder then uploaded from PC. For refraction data, need cables from Marco (\$270, RS232 to USB and "pigTail") connected to a dedicated attached PC with Internet access	Remote
OPD III	Yes	Networked for export of corneal map to network shared folder then uploaded from PC. For refraction data, need cables from Marco (\$270, RS232 to USB and "pigTail") connected to a dedicated attached PC with Internet access	Remote

Nidek

Model	Integrate	Requirements	Onsite/Remote
RS-3000 OCT	Yes	Networked to shared Folder	Remote
AFC- 210/230 Camera	Yes	Attached PC needs Network Connection, export to a shared folder	Remote
AL-Scan	Yes	Networked to shared Folder	Onsite
CEM-530 Spec Micro	Yes	Networked to shared Folder	Onsite
ConfoScan4	Yes	Attached PC needs Network Connection, export to a shared folder	Remote
Magellan Mapper	Yes	Networked to shared Folder	Remote
MP MicroPerimeter	Yes	Networked to shared Folder	Remote
Non-Myd Camera	Yes	Networked to shared Folder	Remote

Oculus

Model	Integrate	Requirements	Onsite/Remote
Centerfield	Yes	Attached PC with Internet Access	Remote
Easyfield C	Yes	Attached PC with Internet Access	Remote
Kertograph	Yes	Attached PC with Internet Access	Remote
Pentacam	Yes	Networked with Internet Access	Remote
Twinfield	Yes	Attached PC with Internet Access	Remote

Optos

Model	Integrate	Requirements	Onsite/Remote
California	Yes	Networked, review PC with Internet Access	Remote
Daytona	Yes	Networked, review PC with Internet Access	Remote
Monaco		Networked, review PC with Internet Access	Remote

Optovue

Model	Integrate	Requirements	Onsite/Remote
AngioVue	Yes	Networked, export to a shared folder	Remote
Avanti	Yes	Networked, export to a shared folder	Remote
iFusion	Yes	Networked, export to a shared folder	Remote
iScan OCT	Yes	Networked, export to a shared folder	Remote
OCT iVue	Yes	Networked, export to a shared folder	Remote
Vivicon Camera	Yes	Networked, export to a shared folder	Remote

Reichert

Model	Integrate	Requirements	Onsite/Remote
AL 200,700	Yes	A USB cable to a dedicated PC with Internet Access	Remote
KR Auto Refract	Yes	A USB cable to a dedicated PC with Internet Access	Remote
LensChek	Yes	A USB cable to a dedicated PC with Internet Access	Remote
OptoChek	Yes	A USB cable to a dedicated PC with Internet Access	Remote
ORA G3	No		
Reflex B Scan	Yes	Connected to local Network, export still images to a network folder	Remote

NexCloud/IntelleChartPRO Device Specifications - IntelleChartPRO – Diagnostic Devices for Integration

RM Auto Refract	Yes	A USB cable to a dedicated PC with Internet Access	Onsite
Tono Pen	No		

Tomey

Model	Integrate	Requirements	Onsite/Remote
Casia2 OCT	Yes	Networked, export to network shared folder	Remote
EM3000 Spec Micro	Yes	Connected to a PC with Internet Access. PC must have Data Transfer software from Tomey.	Remote
RT-7000 Refractor	Partial, Corneal Map only	Tomey Cabled to a dedicated PC with Internet Access and Tomey Software	Onsite
TMS-4 Topo	Yes	Tomey Cabled to a dedicated PC with Internet Access, Tomey Software	Remote

Topcon

Model	Integrate	Requirements	Onsite/Remote
Aladdin	Yes	Attached PC with Topcon software	Remote
CA-800 Topo	Yes	Networked, Export data to PC	Remote
CL Lensmeters	Yes	Topcon Cable to dedicated PC	Remote
CT-80 Tono	No		
CV-5000S System	Yes	Topcon Cable to dedicated PC	Onsite
EZ200 LM	Yes	Topcon Cable to dedicated PC	Remote
KR Auto Refract	Yes	Topcon Cable to dedicated PC	Onsite
KR-1W Wavefront	Yes	Networked, Export data to PC	Remote
KR-800S	Yes	Networked, Export data to PC	Remote
Maestro 3D OCT	Yes	Networked with Internet Access	Remote
RM Auto Refract	Yes	Topcon Cable to dedicated PC	Remote
SP-1P Spec Micro Yes		Networked, Export data to PC	Remote
TRC Series Cameras	Yes	Networked Export to Share If XP	Remote

Zeiss (Humphery)

Model	Integrate	Requirements	Onsite/Remote
599 Auto Refractor	No	Not able to capture data from COM port	
LM-350	No	Not able to capture data from COM port	
Acuitus ARKs	No	Serial Port Turned OFF	
Atlas 9000	Yes	Networked Export to Share If XP	Remote
Atlas 995	No		
Avante OCT	Yes	Networked with Internet Access	Remote
Cameras	Yes	Networked Export to Share	Remote
Cirrus 4000	Yes	Networked Export to Share If XP	Remote
Cirrus 5000	Yes	Networked with Internet Access	Remote
Cirrus Photo	Yes	Networked Export to Share	Remote
FTD	No	Not able to produce PDF or JPEG	
Clarus	Yes	Networked Export to Share	Remote
GDX	Yes, Redtitan Solution	3rd Party device and attached PC	Onsite
HFA 3 Series	Yes	Networked Export to Share	Remote
HFA II 700 Series	Yes, Redtitan Solution	3rd Party device and attached PC	Onsite
HFA II 700i Series	Yes	Networked Export to Share NetPro license required for PDF creation	Remote
IOL Master 5.4	Yes	Networked Export to Share, if no LAN port then Redtitan (eDocPro required for PDF creation)	Onsite or Remote
IOL Master 500	Yes	Networked Export to Share (eDocPro required for PDF creation)	Remote
IOL Master 700	Yes	Networked Export to Share	Remote
iProfiler	Yes	Networked Export to Share; Corneal Map only	Onsite
Lensmeters	No	Not able to capture data from COM port	
Matrix	No	No Digital output	
Stratus 3000	Yes	Networked Export to Share	Remote
Visante	Yes	Networked Export to Share	Remote

NexCloud/IntelleChartPRO Device Specifications - IntelleChartPRO – Diagnostic Devices for Integration

Visucam	Yes	Networked Export to Share	Remote
Visupac	Yes	Networked Export to Share If XP	Remote

Misc.

Manufacturer	Model	Integrate	Requirements	Onsite/Remote
Abbott/J&J	iDesign	No	Manufacturer will not allow	
Abbott/J&J	Wavescan	No	Manufacturer will not allow	
Accutome	A Scan Plus(USB)	Yes	Attached PC with Internet Access	Remote
Accutome	B Scan Plus(USB)	Yes	Attached PC with Internet Access	Remote
Accutome	UBM Plus(USB)	Yes	Attached PC with Internet Access	Remote
Accutome	Synergy A-Scan	No	No Digital Output, either Print/Scan or can save on USB flash drive and then upload to chart	
Alcon	Verion	Yes	Attached PC with Internet Access	Remote
Allegro	Vario	Yes	Attached PC with Internet Access	Remote
B & L	Orb Scan	Yes	Networked Export to Share	Onsite
B & L	Zy Wave	Yes	Networked Export to Share	Onsite
Canon	Cameras with PC	Yes	Networked Export to Share if XP	Remote
CenterVue	Compass	Yes	Networked Export to Share	Remote
DGH	Scan Mate 8000	Yes	Networked Export to Share if XP	Remote
DGH	Pachette2	No		
Diopsys	Nova VEP/ERG	Yes	Networked Export to Share if XP	Remote
DRS	CenterVue	Yes	Networked Export to Share	Remote
DRS	Maia	Yes	Networked Export to Share	Remote
Ellex	Eye Cubed	Yes	Networked Export to Share	Remote
Goldman	VF	No	No Digital Output	
Haag-Streit	Octopus VF	Yes	Attached PC with Internet Access	Remote

Haag-Streit	Lenstar	Yes	Attached PC with Internet Access	Remote
Hai Labs	Specular Microscope	Yes	Attached PC with Internet Access	Remote
Humphrey	ARK or LM	No		
Ioptics	Cassini	Yes	Networked Export to Share	Remote
Konan	Spec Microscope	Yes	Attached Laptop needs Internet Access	Remote
Konan	Cell Chek	Yes	Attached Laptop needs Internet Access	Remote
Konan	RETeval	Yes	PC with device dock networked with Internet Access	Remote
Quantel	Aviso A/B/UBM Scan	Yes	Networked Export to Share	Onsite
Quantel	Axis ii	Yes	Networked Export to Share	Onsite
Quantel	Compact Touch	Yes	Networked Export to Share	Onsite
Righton	K+ Refractors	No		
Sonomed	A or B Scan	Possible, age- dependent	Cable and software from Sonomed to dedicated PC with Internet Access	Onsite
Sonomed	Master-Vue B Scan	Yes	Networked Export to Share	Remote
Sonomed	VuPad	Yes	Networked Export to Share	Remote
TearScience	Lipi Flow	No	No Digital Output	
TearScience	Lipi View	Yes	Attached PC with Internet Access	Onsite
TearScience	Lipi Scan	Yes	Attached PC with Internet Access	Onsite
Tracey	Itrace	Yes	Networked	Remote
Visometrics	HD Analyzer Accutarget	Yes	Attached Laptop needs Internet Access	Remote
Visx	WaveFront/Scan	No	Manufacturer will not allow	
Zeimer	Galilei G4	Yes	Attached PC with Internet Access	Remote

NexCloud/IntelleChartPRO Device Specifications - IntelleChartPRO – Diagnostic Devices for Integration

Various Manufacturer	Slit Lamp Cameras	Yes	Attached to Networked PC	Remote
Various Manufacturer	Lasers/Lasik	No	No Digital Output	
Various Manufacturer	Accuity Devices	No	No Digital Output	

Devices not listed will be evaluated on a case by case basis.