System Requirements:
WinOMS, a Sensei product, Version 10.1

Carestream Dental complies with established Microsoft Windows compatibility standards. The operating systems and hardware listed below have been fully tested and certified for use with the WinOMS practice management software.

System Requirements are updated regularly. Before purchasing any equipment, review the latest System Requirements at https://gosensei.com/pages/resource-library/.

It is the office's responsibility to check with any 3rd party application/software companies to ensure that their software is compatible with the new version of DPMS/SQL software being installed. Carestream Dental is not responsible for incompatibility issues with 3rd party vendors.

Database Server

Carestream Dental LLC strongly recommends running the WinOMS database on a dedicated server.

Recommended

Hardware

- x86 or x64 CPU Quad-Core
- 16 GB RAM
- 100 GB available disk space
- DVD drive
- Ethernet 100/1000 network card
- 2 or more powered USB 2.0 ports
- Additional PCI Express or USB 2.0 expansion slots may be required.

Recommended Operating Systems

- Windows Server 2022 64-bit

Minimum Required

Hardware

- x86 or x64 CPU Dual-Core
- 8 GB RAM
- 100 GB available disk space
- DVD drive
- Ethernet 100/1000 network card
- 2 or more powered USB 2.0 ports
- Additional PCI Express or USB 2.0 expansion slots may be required.

Supported Operating Systems

- Windows Server 2019 64-bit
- Windows Server 2016 64-bit

Notes

Remote Desktop Services Not Supported
Remote Desktop Services (formerly Terminal Services) is not a supported environment.

Microsoft SQL Server 2019
WinOMS v10.0.3 converts the application database to Microsoft SQL Server instead of the Sybase database used in WinOMS v9.x (and earlier). Please download the WinOMS v10 Readiness Check utility from this link to determine whether your database is eligible for Microsoft SQL Express or Standard licenses. **NOTE: 3x the database size for the drive space is required when converting from Sybase to MSSQL version.**

Workstation

Recommended

Hardware

- x86 or x64 CPU Dual-Core
- 4 GB RAM
- 40 GB available disk space
- 3D accelerated video card
- DVD drive
- Ethernet 100/1000 network card
- 2 or more powered USB 2.0 ports
- Port(s) appropriate for printer and scanner connectivity
- Standard LCD monitor capable of 1440x900 screen resolution
- Additional PCI Express or USB 2.0 expansion slots may be required.
- DB9 serial port for Anesthesia Vitals Monitor
- Microsoft Edge

Recommended Operating Systems

- Windows 11 Professional

Minimum Required

Hardware

- x86 or x64 CPU Dual-Core
- 4 GB RAM
- 40 GB available disk space
- 3D accelerated video card
- DVD drive
- Ethernet 100/1000 network card
- 2 or more powered USB 2.0 ports
- Port(s) appropriate for printer and scanner connectivity
- Standard LCD monitor capable of 1280x1024 screen resolution
- Additional PCI Express or USB 2.0 expansion slots may be required.
- DB9 serial port for Anesthesia Vitals Monitor
- Microsoft Edge

Supported Operating Systems

- Windows 10 Professional

Notes

Please check with your eServices or third-party hardware and software vendor to ensure that products are compatible with your workstation operating system.

Tablet PC

Recommended	Minimum Required	Notes
Hardware	**Hardware**	• Microsoft Windows 10 Edge browser is NOT currently supported by our online training products (Carestream Dental Institute and Cisco WebEx).

Recommended

Hardware

- x86 or x64 CPU Quad-Core
- 4 GB RAM
- 40 GB available disk space
- DVD drive
- Ethernet 100/1000 network card
- Wireless WLAN card supporting latest 802.11 or faster
- Port(s) appropriate for printer and scanner connectivity

Supported Operating Systems

- Windows 11 Professional

Minimum Required

Hardware

- x86 or x64 CPU Dual-Core
- 4 GB RAM
- 40 GB available disk space
- DVD drive
- Ethernet 100/1000 network card
- Wireless WLAN card supporting latest 802.11 or faster
- Port(s) appropriate for printer and scanner connectivity

Supported Operating Systems

- Windows 10 Professional

Notes

- Microsoft Windows 10 Edge browser is NOT currently supported by our online training products (Carestream Dental Institute and Cisco WebEx).
- To run Patient Workspace on a tablet PC in portrait orientation, a minimum 900-pixel horizontal screen resolution is required.
- Point-of-Care requires a minimum 1280x1024 screen resolution.

OMS Imaging Workstation / Clinical 3D Viewing Workstation

Please review the OMS Imaging System Requirements at https://www.carestreamdental.com/en-us/resource-library/. This will include 3D Viewing Workstation System Requirements.

Monitor

Recommended

- Plug and Play Monitor supporting 1920 x 1080 screen resolution

Minimum Required

- Plug and Play Monitor supporting 1440 x 900 screen resolution

Notes

For Optimal performance, we recommend a higher resolution monitor. Resolutions lower than 1440 x 900 affect performance.

Anesthesia Records Module

Recommended

- Casmed PPM3, Zoe Nightingale PPM3 with DB9 to RJ45 adapter from manufacturer
- CUSP Compatible Criticare 8100E nCompass or 8100E nGenuity, 9-pin Male/Female Null-modem Serial cable no longer than 6 feet. (Contact manufacturer customer service to determine if your vitals monitor is CUSP compatible).
- Mindray monitors require a Serial to USB Adapter. Recommend Sabrent USB 2.0 to Serial (9-Pin) DB-9 RS-232 Converter Cable, Prolific Chipset. **Note**: ECG features are not supported with Mindray.
- Criticare DB-9 Bluetooth device is supported for some Criticare models. Contact manufacturer for Serial to USB Adapter solutions.
- Zoe Bluetooth Adapter functionality has been certified with the Zoe, Casmed and Mortara monitors.

Minimum Required

- Criticare 506 NT3 (not ECG compatible)

These monitors, while discontinued by Criticare, are approved for use with WinOMS:

- Criticare Poet Plus 8100
- Criticare 507EL Scholar (not ECG compatible)

Notes

Anesthesia Record Integration

Criticare Vital Sign Monitors contain a Female Serial Port connection while standard workstations contain a Male Serial Port connection. A Manhattan USB-to-Serial Adapter and 9-pin Male/Female Null-modem Serial cable (<6ft long) can be purchased from Criticare. Contact Criticare for Manhattan USB-to-Serial Converter support for each monitor.

The Anesthesia Module must be locally installed through LAN or VPN connection.

Wireless networking is not recommended for Anesthesia.

Data Export

Recommended

- Microsoft Excel alone or as a part of a Microsoft Office Edition.

Notes

Having multiple versions of Microsoft Office throughout the practice may cause document incompatibilities and is not recommended.

Electronic Signature Pads (Topaz Systems)

Recommended

- SignatureGem LCD 4x3 Models T- LBK755-HSB or T-LBK755-HSB-R
- SignatureGem LCD 1x5 Models T- LBK462-HSB or T-LBK755SE-BHSB

Notes

USB connections only; serial connections are NOT supported. (i.e., TLBK 462-B-R)

Image, Document, and ID Card Scanning

Recommended

- Any TWAIN compliant scanner is acceptable. Scanners listed on Page 6 have been certified with WinOMS.

Notes

- Network scanners are not supported.
- Duplex and multi-page features are supported for documents and ID cards.
- Image scanning requires a flatbed scanner with a full-sized transparency adapter.

Optical Ticket Scanning

Recommended

- Epson GT 1500 Workforce, or Epson Perfection v700 Photo

Notes

Printers

Recommended

- Any HP LaserJet printer using the HP PCL 6 driver is acceptable. Printers listed on page 6 have been certified with WinOMS.

Minimum Required

- See Recommended.

Notes

- Local and network printing are supported.
- For chart labels, choose a Laser or Dot Matrix Label printer.

Automated Statements, eClaims, ePayments, ePrescriptions, eReminders, eVerifications

Recommended

- **Payment Manager**: (Confirm with Global Payments.)
- **ePayments Secure**: Ingenico iSC 250 payment terminal
- **ePayments v1**: MAGTEK credit card reader (USB or serial)

- Adobe Acrobat Reader DC
- Broadband internet connection
- Microsoft Edge

Notes

Both the Ingenico iSC 250 and the MAGTEK card reader contain custom firmware and must be purchased from Carestream Dental or our payment processing partners.

NEA FastAttach

Recommended

- NEA FastAttach software v3.2 or higher
- Carestream eClaims Service
- Windows 11 (Terminal Services not supported)
- High-speed broadband internet connection
- Microsoft Edge

Minimum Required

Windows 10

Carestream OMS Imaging Software

Recommended

- Image Capture and Image Server Workstations. Refer to the Imaging Workstation specifications for the most up-to-date specifications.

Notes

WinOMS has a one-way bridge to Dental Imaging Software and is not the recommended imaging software platform. OMS Imaging Software is our recommended, fully integrated solution.

Mail Merge

Recommended

- Microsoft Word 2019 as a part of a Microsoft Office 32 or 64-bit Professional Edition
- Microsoft Word 2021

Minimum Required

- Previous Word versions (stand alone or as part of MS Office suite) approved for **Mail Merge ONLY** with WinOMS software are:
  - Microsoft Word 2016
  - Microsoft Word 2013
  - Microsoft Word 2010
  - Microsoft Word 2007

Notes

Having multiple versions of Microsoft office throughout the practice may cause document incompatibilities and is not recommended.

WinOMS does not support Office 365, Home, or Student editions of Microsoft Word or the Office Suite.

Carestream Dental Institute

Recommended	Minimum Required	Notes
• Broadband internet connection • Current version of Chrome, Firefox, or Microsoft Edge	• See Recommended	Apple Safari browser is NOT currently supported by our online training products.

Point-of-Care Module

Recommended	Minimum Required	Notes
• Wi-Fi Connected Tablet PC	• See Recommended	

PEARL

Recommended	Minimum Required	Notes
Supported devices are • iPhone running iOS 13 or newer	• See Recommended	Due to the change in the database back end from Sybase to MS SQL 2019, PEARL must be updated for use with WinOMS after the 10.0 update. PEARL is now bundled in the eServices Suite. Please update to the Suite 1.0.5.99 for use with WinOMS after the 10.0 update.

QuickBooks Software Module

Recommended	Minimum Required	Notes
• QuickBooks Pro 2024 • QuickBooks Pro 2023 • QuickBooks Pro 2021 • QuickBooks Pro 2020	• WinOMS supports QuickBooks Standard, Premier, Professional, and Enterprise editions.	QuickBooks Simple Start, Online, and Canadian versions are NOT approved for use with WinOMS.

TRUFORM Software Module

Recommended	Minimum Required	Notes
• Adobe Acrobat DC or higher (full version) • Topaz signature capture plug-ins for Adobe Acrobat • Internet connection • Supported Electronic Signature Pad	• See Recommended	See Electronic Signature Pad on page 3 for supported Signature Pads.

Legacy Certifications

The following additional hardware and software has been certified with previous versions of WinOMS:

General Printers

- HP Color LaserJet CP4005 Printer Series with HP PCL 6 driver
- HP LaserJet P4515 or 3005d Printer Series with HP PCL 6 driver
- HP LaserJet Pro 200 color
- HP LaserJet Pro 400 M401n
- These printers, while discontinued by HP, are approved for use with WinOMS: 1012, 1300, 1320, 2200, 2300, 2430, 4000, 4100, 4200, 4250, 4350.

Label Printers

- Brother QL-500
- Seiko SLP 420, 430, 440, 450
- Dymo Laser Writer 450

TRUFORM Software Module

- Adobe 10, 11, DC (full version)
- Image Scanners (with Transparency Adapters)
- Epson Perfection v700 Photo
- These scanners, while manufacturer discontinued, are approved for use with WinOMS: HP ScanJet 4 C/T; Microtek Scanmaker II; Epson Expression 800, Epson Expression 1600, Epson Expression 1680 Professional, Epson Perfection 4990 Photo

Anesthesia Vitals Monitors

- Criticare Connect Bluetooth Adapter
- Zoe Bluetooth Adapter
- Mortara Surveyor S12 or S19
- Criticare 8100H (nCompass)
- Criticare 8100E (nGenuity)
- Criticare 506 NT3 (not ECG compatible)
- These monitors, while discontinued by Criticare, are approved for use with WinOMS: Criticare Poet Plus 8100, Criticare 507EL Scholar (not ECG compatible).

Digital Cameras

- KODAK P712 Dental Digital Photography System
- KODAK 6490 or 7590 Systems
- Canon EOS Rebel XSi

Document and ID Card Scanners

- Panasonic KV-S1026C
- Epson WorkForce GT-1500 Scanner
- Fujitsu fi-6130
- HP ScanJet7800
- Carestream SCANMATE i1120
- Ambir DS487-AS
- CSSN Scanshell 800DXN
- Epson Perfection v700 Photo
- Visioneer Strobe XP 300
- These scanners, while discontinued by Epson, are approved for use with WinOMS: Expression 1600, Expression 1680 Professional, Perfection 4990 Photo.
- These scanners, while discontinued by HP, are approved for use with WinOMS: 5200c ,6200c, 6300c, 7400c.
- Visioneer Strobe XP 200, while discontinued, is approved for use with WinOMS.

Accounting Software

- QuickBooks Pro 2018, 2017, 2016, 2015

Notes and Recommendations

Remote Desktop Services / Terminal Services	Carestream Dental products do not support Remote Desktop Services (RDS) (formerly known as Terminal Services). Please contact WinOMS Technical Support department for recommendations.
Virtual Machines / Emulated Operating Systems	WinOMS is not certified for use on virtual machines or emulated operating systems, however, the customer may choose to use either at their own risk.
Microsoft Windows XP and Windows Server 2003 Not Supported	Microsoft has discontinued support for Windows XP and Windows Server 2003. For this reason, Carestream Dental will no longer support Windows XP or Windows Server 2003 as of March 31, 2016.
Operating System Updates	For security and stability reasons, all operating systems must be kept up to date. All service packs and critical updates should be installed as soon as they become available.
Insurance Forms	Contact the RR Donnelley Carestream Business Forms Center for insurance-related forms: (800) 401-9771
Digital Forms Module	To use the digital forms module, users must have 32-bit versions of one of the following: Microsoft Word 2016, 2010, or 2007-SP2, either standalone or as a part of their respective Office suites. **IMPORTANT: Digital Forms is not currently functioning in WinOMS v10.**
Backups and Uninterruptible Power Supplies	Carestream Dental suggests that you perform a nightly backup on removable media and keep that media in a fireproof safe off-site. Live Back up of data is not recommended. The database engine must be stopped to make a proper copy of the data. Carestream Dental also recommends that you have a UPS with shutdown software installed with the server machine.
Hardware and Software Performance	System Requirements are updated regularly. Hardware upgrades (processor, disk, memory, graphics and/or network) may be required to take full advantage of the new features in the latest versions of the software. In general, performance can be improved by: Increasing the amount of memory (RAM) on a workstation or server; replacing the hard drive with a newer, larger, faster model; or upgrading the CPU to a faster speed. Results are not guaranteed.
General Printing	Download and install the latest HP PCL 6 driver from the HP website before using. Windows XPS Document Writer is not a supported printer. Consider using PDF print drivers as an alternative.
Internet Connection	Although a full-time internet connection is not necessary for WinOMS to function, it is recommended. This allows the Carestream Dental Technical Solutions team to provide remote assistance quickly when needed. If this kind of internet connection is not feasible for your practice, having a modem and remote-control software (such as PCAnywhere) installed on your server will suffice.
Anti-Virus Software	Internet security software providing anti-virus and other malware protection for your WinOMS server and workstations is recommended
Wireless Network Connections	Wireless network connections are not recommended. For best performance, use hard-wired connections.