

Carestream Dental strongly adheres to compliance with Microsoft Windows operating systems and hardware compatibility (HCL), which can be found at <http://www.microsoft.com/whdc/hcl/default.mspx>. Only operating systems and hardware listed below have been tested and certified on OPMS software.

Item	Minimum Required	Recommended	Notes
Computer System	<p>Database Server Intel P-III 600 MHz (or faster) 1.44MB floppy drive Super VGA 1024x768 or higher Keyboard Mouse CD-ROM Network Adapter</p> <p>Workstations Pentium III 600 MHz (or faster) Super VGA 1024x768 or higher 1.44MB floppy drive Keyboard Mouse CD-ROM Network Adapter</p>	<p>Database Server Server-class Intel Pentium 4 2.0 GHz (or faster) 10/100 Network Adapter USB Port</p> <p>Workstations Pentium 4 1.7GHz (or faster) 10/100 Network Adapter USB Port</p>	A dedicated Server Class machine is necessary when running OPMS software in multiple locations concurrently and when there is a large number of workstations in the office.
Operating System	<p>Servers <u>With 1-10 workstations</u> Windows 2000 Professional (SP4) Windows 2000 Server (SP4) Windows XP Professional (SP2)</p> <p><u>With 11 or more workstations</u> Windows 2000 Server (SP4) Windows Server 2003 (Standard Edition) (SP1) Windows Server 2008</p> <p>Workstations:* Windows 2000 Professional (SP4) Windows XP Professional (SP2) Windows Vista *** Windows 7 Professional*** Windows 7 Enterprise*** Windows 7 Ultimate***</p> <p>***Users running Windows Vista or Windows 7 should check compatibility of 3rd party software and peripherals with their providers.</p> <p>No Longer supported: Windows 98, & NT</p>	<p>Database Server: <u>With 1-3 workstations</u> Windows 2000 Professional (SP4) Windows XP Professional (SP2)</p> <p><u>With 4 or more workstations</u> Windows 2000 Server (SP4) Windows Server 2003 (Standard Edition) (SP1) Windows Server 2008</p> <p>Workstations:* Windows 2000 Professional (SP4) Windows XP Professional (SP2) Windows Vista***</p>	<p>We recommend using the least used machine in the office as the data server. If there are more than 6 workstations in the office, a dedicated data server is recommended.</p> <p><u>*Access rights</u> Use Caution in restricting access to operating system resources. For simplicity, We recommend that all users have Administrator rights. At a minimum, all OPMS software users will need <u>Full Access</u> Rights to the following:</p> <ul style="list-style-type: none"> • The registry • The OPMS folders • The OPMS root directory <p>64-bit versions of Windows 7 and Server 2008 are currently supported.</p>
System Memory	<p>Server 1 GB Workstation 512MB</p>	<p>Server 2GB (or greater) Workstation 1GB (or greater)</p>	System memory has an impact on your system performance. Using more RAM in machines improves performance.

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Hard Drive	Server 6GB Workstation 1GB	Server 10GB or higher Workstation 5GB or higher	Disk Compression and other disk utilities should not be used. Data grows in size over time. Purchasing the largest hard drive available will allow the system to be prepared for future growth.
Monitor and Video Card	17, 19 or 21" monitor LCD (flat panel) monitor 1024 x 768 resolution 8MB (or higher) RAM video card True Color (32 bit)	17, 19 or 21" monitor LCD (flat panel) monitor 1024 x 768 resolution 8MB (or higher) RAM video card True Color (32 bit)	Flat panel monitors are useful when space is at a premium. If used, ensure the graphics adapter supports the interface. Typically, a higher amount of RAM on a video card increases the graphics capability, which directly affects image quality and viewing capabilities.
Modem	Internal or external 56k modem	Multitech or US Robotics 56K external modem	We recommend installing a dedicated telephone line near the server for the modem. This should not go through an exchange, PBX, splitter, or be on a rollover system.
Sound Card	Not required	SoundBlaster or SoundBlaster compatible card with speakers.	
UPS/Surge Suppressors	Not required	A battery backup is strongly recommended for the OPMS software data server. It is also suggested for all workstations. This will protect the system during power outages/fluctuations.	Do not plug a printer into the UPS. This will cause power fluctuations in the UPS.
Backup System	Windows approved backup system capable of backing up all data.	Microsoft Access Database: Iomega Zip 100 or Zip 250 with at least 6 zip disks (one for each business day, and at least one for end of month backups.) SQL Databases DAT tape drive with at least the uncompressed capacity of ½ the computers hard drive.	Daily OPMS software backups are critical to your system. Backups should be stored in an off-site location. These backups are critical to recover data in case of disaster. We recommend that your backup be tested and guaranteed to be functioning correctly.
Printers	Laser Printer: HP LaserJet 1100 Color Printer HP Deskjet 6940 Ticket Printer: Microsoft Window – compatible capable of printing half-sheets of paper	Laser Printer: Current HP LaserJet printers in the 4000, 4050, 4200, 4250, 5000, 1100, 1200 series. Ticket Printer: HPLaserJet or HPDeskJet Windows-compatible capable of printing half-sheets of paper	It is recommended that the laser printer be configured with a jet direct card. If this is not possible, it should be placed on the least used machine in the office that is not the data server. Color printers should not be used for large printing jobs such as statement printing. We do not recommend using dye sublimation printers as your word processing printer.

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Internet Connection	Dialup Internet connection Internet Explorer 6.0 or higher	56K Internet connection or higher Internet Explorer 6.0 or higher	The use of AOL as an ISP is not recommended. <u>Security</u> A hardware and/or software firewall must be used and configured properly. The firewall should be configured to ensure OPMS Software Support connectivity. <u>Anti-Virus Protection</u> A comprehensive anti-virus product must be installed and configured properly. Real-time scanning is not recommended due to a negative impact on network performance. We strongly recommend a professional computer technician configure and maintain your internet connection.
Additional Software	<u>Remote Control Software</u> pcAnywhere HOST/REMOTE software Version 10.5 for Windows XP <u>Letter Writing Software</u> Microsoft Word 2003	<u>Remote Control Software</u> pcAnywhere HOST/REMOTE software Version 10.5 for Windows XP <u>Letter Writing Software</u> Microsoft Word XP, SP 3 or Microsoft Word 2003 Microsoft Word 2007 Microsoft Word 2010 <u>Database Software</u> Microsoft Office 2000 Professional or XP Professional, which includes Microsoft Access	Microsoft Office or Word should be installed with the latest update available from Microsoft. *Note: If installing Word 2003 or SP3 for Office XP, please contact support for a registry update.
Database	See Notes	If SQL as been recommended for your office, SQL 2000 with proper licensing.	To find out if SQL is recommended please contact Carestream Dental sales.
Network Wiring		CAT5 network cabling in a star configuration. Ensure wiring is complete prior to installation.	When contracting with a wiring installer, please ask for a printout certifying the network medium has been installed correctly and tested. Carestream Dental assumes no liability for software issues resulting from improper/faulty cabling.
Network Hub/Switch	Network hub	10/100 base hub or switch	Switches are generally faster than hubs.
Remote Connectivity		Remote sites are required to have at least one analog modem and PC Anywhere for support. Remote sites should be connected using an analog modem, ISDN line, or T1 line. Remote sites not using PCAnywhere for connectivity should use Windows Terminal Server for adequate performance.	A modem connection between offices is not recommended due to bandwidth restrictions. *For Citrix environment Client devices should run Citrix ICA client software version 6.x or greater.