

System Requirements for ABELDent Freemium Clinical and Practice Management

Important Note: If you are purchasing new hardware, we recommend that you purchase hardware that meets or exceeds our recommended specifications.

****Don't rely entirely on paper copies of these specifications. Always check our web site for the most current requirements.**

Component	Recommended	Details
Database Server for 2-4 workstations	<p>Intel i5 2.5 GHz or better (or AMD equivalent)</p> <p>8.0 GB RAM, 250GB SSD or greater</p> <p>Windows 11 or 10 Professional or Home, see details. (64 bit) (English only)</p> <p>CPU benchmark over 5,000</p>	<p>Windows Home Edition is only supported on standalone systems. Windows versions older than Windows 10 are not supported with ABELDent Freemium.</p> <p>Solid state drives (SSD) are recommended and can perform significantly faster than spinning disks. Recent Dual or Quad core processors will perform well.</p>
Client machines or Stand Alone System	<p>Windows 11 or 10 Professional or Home, see details. (64 bit) (English only)</p> <p>CPU benchmark over 4,000</p>	<p>Windows Home Edition is only supported on standalone systems. Windows versions older than Windows 10 are not supported with ABELDent Freemium.</p> <p>Solid state drives (SSD) are recommended and can perform significantly faster than spinning disks. Recent Dual or Quad core processors will perform well.</p> <p>Apple Mac computers can be used using Boot Camp or Parallels emulation to run Windows. See your Mac expert for information on Parallels or Boot Camp.</p>
Database (on server)	MS SQL Server Express 2022	MS SQL Server Express 2022 (or 2019) is the only database supported with the Freemium version of ABELDent
.NET Framework	MS .NET Framework 4.7.2, 3.5	MS SQL Server still requires .NET 3.5
Office Suite (Optional)	Office 365	ABELDent can integrate with Outlook and Word for email, mail merged letters, etc. Microsoft 365 is the most common way of purchasing Outlook and Word. The suite you choose depends on additional non-ABELDent functionality you may want.
Display	21" with 1920x1080 x16 bit color or greater	ABELDent Freemium requires a minimum resolution of 1920 x 1080.
Backups	Online offsite backup services or External hard disks (USB or SATA).	Remote backups via the Internet are recommended. External hard drives can also be used, but we recommend a drive for each day of the week as a minimum so that recent backups are not overwritten. At least some backups should be stored offsite. In addition to ABELDent most practices have radiography, imaging and other documents that require backup. All external media, whether for backup or other purpose, should be encrypted before copying confidential information to it.
Network Interface Card	1 Gbps NIC	In all situations where computers share information, each PC requires a network interface card.
Switch	1Gbps switch	In a typical small business network, the cables converge at an Ethernet switch. Gigabit speed switches are recommended. A port is required for each PC. Note: Wired connections are essential as wireless network connections are not supported. Wireless should only be used for "thin clients"
Cable	Cat 7, 6a, 6, 5e Ethernet (See Details column)	Ethernet cable will be required in your office running from each computer to a switch or hub. The switch is normally located centrally in your office, possibly in a wiring closet. Tested and certified cable drops are strongly recommended.
Internet Connectivity	High speed Internet is required.	High speed Internet is required. Additional redundant internet connectivity is recommended. See Note. <ul style="list-style-type: none"> • 5 Mbps download (Minimum) • 2 Mbps upload (Minimum) < 100 ms latency
Laser Printer	Any laser printer with appropriate Windows Drivers (PCL 5e or later with min 32MB RAM)	All recent revisions of ABELDent support Windows GDI printing.
Optional Color Inkjet Printer	Any color inkjet with appropriate Windows Drivers	For printing Charts & Images. Check the number of pages per minute the printer will print. Some are quite slow.

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Uninterruptible Power Supply (UPS)	Any UPS matching the power required by your system.	If using ABELDent Freemium in production a good UPS is strongly recommended on your server to keep it running through short power outages and allow time for a proper shutdown in the event of longer outages. Look for a UPS with good surge suppression and power regulation to protect your server from spikes and fluctuations in the power.
Imaging	USB Camera	Most modern cameras plug into a USB port and do not require Video capture cards. Old cameras with only an RCA or S-Video connector typically connect via a video capture card (Windows Driver Model (WDM))
Optional Scanner	TWAIN	Any TWAIN compliant scanner will work with ABELDent
Optional Signature Pads	ePad (VP9801) or ePad-ink (VP9805)	ABELDent Local+ only supports these two models. They can be ordered online from the ePadLink website at http://www.epadlink.com/
Sound Card & Speakers	See Details column.	A sound card and speakers or headphones are required for the ABELDent training videos and to view demo videos.
Antivirus Software	See Details column.	AntiVirus Software, configured to automatically check for definition updates daily, is strongly recommended for every PC connected to the Internet.
Firewall / Router	See Details column.	A router or security appliance is strongly recommended for all Networks with a high-speed Internet connection and when running ABEL Portal Services. Note: Wired connections are essential for multi computer configurations. Wireless network connections are not supported.