

System Requirements for ABELDent CS (Cloud Server) Solution

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
Server is not required for cloud		Since ABELDent CS data resides in the cloud, "server" hardware is not required. However, if you are using more than ten workstations, one workstation may need to run a Windows Server operating system. Please contact ABEL to find out more. Your radiography or imaging solution may require a server. Please check with your imaging vendor for details on their requirements.
Client workstations	Intel i5 2.5 GHz or better, 4GB RAM, 120GB Hard disk (SSD optional, SSDs provide enhanced performance), DVD Windows 10 Pro or Windows 8.1 Pro We recommend processors rated 5000 or above on CPU Benchmarks https://www.cpubenchmark.net/high_end_cpus.html	ABELDent CS is designed for use with Windows 10 Professional (English only). Windows 8.1 is also supported. Most current radiographic and imaging programs also work with Windows 10, please confirm support for your version with your imaging vendor. ABELDent CS does not support older or home operating systems. Use of unsupported operating systems can lead to failure of the software to operate or damage to system data. Recent Dual or Quad core processors will perform well. These include Core processors, i5, i7 from Intel and AMD equivalents. 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.
Display	21" with 1920x1080 resolution	
Backup Unit	Not Required for ABELDent CS data	ABELDent CS Cloud is a hosted offering so we take care of backups. Your other applications such as radiography, imaging may have data that you need to protect so you may require an Internet backup service or external drives to protect that data. 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 on a network, each PC will require 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.
Cable	Cat 7, 6a, or 6 Ethernet (5e min) (See Details column)	Ethernet cable will be required in your office running from each computer to a switch. 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. Additional redundant internet connectivity is recommended. See Note. <ul style="list-style-type: none"> 5 Mbps download (Minimum per workstation) 2 Mbps upload (Minimum per workstation) < 100 ms latency 	Midrange Business plans are suitable for small practices. Practices with 6 or more workstations should consider higher plans. Depending on reception in your area, an LTE plan from mainstream mobility vendor would make an excellent redundant connection, allowing you to connect to ABELDent CS when your main connection is down.
Laser Printer	Any printer with appropriate Windows Drivers (32MB RAM recommended)	All recent revisions of ABELDent support Windows GDI printing. HP P1606DN, 2000, 2015, 3005, and 4000 series printers are known to work with ABELDent.
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.
Uninterruptible Power Supply (UPS)	Optional as the server in the cloud is protected from power outages.	If you want to maintain connectivity to the cloud during local power interruptions, you can protect your modem/router switching equipment and workstations of your choice with UPS(s).
Imaging	USB Camera	Most modern cameras support USB and do not require Video capture cards.
Scanner(Optional)	TWAIN	Any TWAIN compliant scanner will work with ABELDent
Optional Signature Pads	ePad (VP9801) or ePad-ink (VP9805)	ABELDent CS 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, Optio Patient Education, and to view demo videos.
Headset	See Details column.	A good quality USB headset will be required for users who will be using voice activated Perio Charting.
Antivirus Software	See Details column.	AntiVirus/AntiMalware/AntiRansomware 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 business grade router/security appliance is strongly recommended for all Networks with a high-speed Internet connection. Note: Wired connections are essential as wireless network connections are not supported.