

Hardware and Operating System Guidelines

For optimum performance of your Cornerstone* Software, ensure your system meets or exceeds the specifications in this document. These specifications and recommendations may differ depending on your system configuration and whether additional software or services are installed on your computers.

Operating system compatibility

Operating system	Minimum Cornerstone Software version
Windows Server* 2016 (Standard and Datacenter)	Cornerstone* 8.5 NEXT
Windows* 10 (Professional and Enterprise)	Cornerstone* 8.3 NEXT
Windows* 8/8.1 (Professional and Enterprise) Windows Server* 2012 and 2012 R2 (Standard and Datacenter)	Cornerstone* 8.3 SP4
Windows* 7 (Professional and Enterprise) Windows Server* 2008 R2 (Standard and Datacenter)	Cornerstone* 8.0 SP2

Microsoft End of Support Life notifications†

Windows* XP, Windows* XP Embedded, Windows Server* 2003, and Windows Vista* have all reached their **Microsoft End of Support Life**.

Upcoming Microsoft End of Support Life notifications†

On **January 8, 2019**, **Windows* Embedded Standard 2009** will reach the **Microsoft End of Support Life**.

On **January 14, 2020**, **Windows* 7, Windows* Server 2008, and Windows Server* 2008 R2** will reach the **Microsoft End of Support Life**.

Call your IDEXX representative at **1-800-283-8386** for information on transitioning to a newer operating system.

†**End of Support Life** refers to the date when Microsoft no longer provides security updates or online technical assistance. Without security updates your computer system will be more susceptible to harmful viruses and other malicious software. Also note that using an unsupported operating system is not Payment Card Industry (PCI) compliant. Be mindful of these dates and ensure that you are using a supported operating system to better protect your computer system and, in turn, your business and customers.

Hardware recommendations

	Operating system	Processor	Hard drive	Memory
Peer-to-peer server ^a	Windows 10 Professional	Intel* Core* processor ^b	500 GB ^c	16 GB
Dedicated server	Windows Server 2016	Intel* Xeon* processor	500 GB ^c	16 GB +1 GB per thin-client
Thick-client workstation	Windows 10 Professional	Intel Core processor ^b	500 GB	8 GB
Thin-client workstation (terminal)	Windows* 10 IoT Windows 10	Minimum supported by operating system		

a. For a peer-to-peer network, IDEXX recommends no more than nine thick-client workstations.

b. Excludes Intel Celeron*, Intel Pentium*, and Intel Atom* processors.

c. Servers that store digital images will require more hard drive and backup space.

General recommendations

Business class computers, printers, and peripherals

IDEXX recommends you use business class computers, printers, and peripherals to ensure the best performance, reliability, and warranty. Business class devices are available from manufacturers like Dell* and include components, configuration options, and a warranty designed to meet the needs of a demanding business environment.

Gigabit-speed, wired networks

IDEXX recommends you use computers and switches capable of gigabit speed with a wired connection. Gigabit network speeds require CAT5e or better cabling. A wired connection will always provide a faster and more stable Cornerstone experience. A wireless connection should be used only for mobile computers.

Firewall and antivirus (malware) protection

IDEXX recommends the use of a hardware firewall and the Trend Micro* Worry-Free* Business Security Services antivirus solution, which includes a software firewall. IDEXX supports only configuration of the Trend Micro software firewall for proper operation of IDEXX products and services. For general firewall configuration details specific to Cornerstone, see the [Firewall Configuration Guide](#). (To find the *Firewall Configuration Guide* on idexx.com, search for **Cornerstone Resources**, and then locate the guide under **Hardware & computer systems**.)

For more information, call your IDEXX representative at **1-800-283-8386**.