



ClinicPro©

Hardware Requirements

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Operating System Disclaimer:

- 1.) Do not purchase any copy of Microsoft Windows 'Home' Editions for either the server or workstation operating system. The networking protocols required for ClinicPro Practice Management and EMR to operate correctly is not included.
- 2.) If the operating system selected is Microsoft Windows 7 or later, only version 3.7 or newer of ClinicPro Practice Management will run correctly.
- 3.) Windows Server 2008 utilizes a different version of SQL Server which is required to run the EMR. Additional steps are necessary to complete the installation.
- 4.) In regards to 'Dual Core' processor technology. ClinicPro is not a SMP (Symmetric Multi-processing) program. While a 'Dual Core' system has the advantage of allowing multiple programs to run at one time, it will not offer any additional advantage when compared to a computer with a faster single processor. In fact; some 'Dual Core' systems have a slower base speed than the recommended specifications. Using a computer with a slower processor speed will result in reduced software performance.

ClinicPro Software does not sell computer hardware. Quite frankly, some software companies force you to buy hardware from them so they can mark it up considerably. We have a different philosophy; we want you to buy your computer equipment from a local store so that you can get quick and reliable service.

ClinicPro Software does not recommend wireless networking. Due to the inherently slower nature of wireless networks, expect slower access times from ClinicPro Practice Management and the EMR. If you choose to implement a wireless network, we recommend you use hardware that is optimized to give the fastest speeds possible. It is recommended to use a minimum standard 802.11n with WPA encryption to remain HIPAA compliant and a MIMO based router for stronger signal strength. Also take into consideration the placement of the wireless access point. The wireless router should be placed in a centralized location to minimize the distance between itself and the devices that are being connected. Keep devices such as: cordless phones, X-Ray equipment, cell phones, microwaves, and any other RF devices away from the wireless router / access point. They are known to interfere with the device's broadcast signal strength and quality.

In regards to EMR, reports that are generated are currently dependant on Microsoft Office 2003's Word. The report engine is designed to hand any requested information to Microsoft Word to allow the ability for the data to be manipulated, reformatted, printed, and or emailed.



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Depending on the size of your office, the recommended requirements are outlined below to utilize ClinicPro / EMR at its full potential. Review the network environment sizes below and build your infrastructure accordingly.

SERVER HARDWARE REQUIREMENTS

ClinicPro Practice Management	ClinicPro Practice Management / Electronic Medical Records (EMR)
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<i>Stand Alone (Server)</i>	
Processor	PC with an AMD / Pentium-class processor 1.8 GHz minimum
Operating System	Microsoft Windows XP Professional or later
Memory	2GB DDR333 GHz (PC 2700)
Hard Disk Drive	80GB ATA / SATA
Display	SVGA 1024 x 768 or higher-resolution monitor with 256 colors
Mouse	Microsoft Mouse or compatible pointing device

<i>Small Network (2 -5 Computers)</i>	
Processor	PC with an AMD 64bit / Pentium class Dual Core processor 2.0 GHz minimum
Operating System	Microsoft Windows XP Professional or later
Memory	2GB DDR400 GHz (PC 3200)
Hard Disk Drive	80GB ATA / SATA
Display	SVGA 1024 x 768 or higher-resolution monitor with 256 colors
Mouse	Microsoft Mouse or compatible pointing device

<i>Stand Alone (Server)</i>	
Processor	PC with an AMD / Pentium Class Dual Core Processor 2.4GHz minimum
Operating System	Microsoft Windows XP Professional or later
Memory	4GB DDR400 GHz (PC 3200)
Hard Disk Drive	160GB ATA / SATA
Display	SVGA 1024 x 768 or higher-resolution monitor with 256 colors
Mouse	Microsoft Mouse or compatible pointing device

<i>Small Network (2-5 Computers)</i>	
Processor	PC with an a Intel i3 series processor 2.2 GHz minimum
Operating System	Microsoft Windows XP Professional or later
Memory	4GB DDR400 GHz (PC 3200)
Recommended:	6GB DDR700 GHz (PC 5600)
Hard Disk Drive	160GB ATA / SATA
Display	SVGA 1024 x 768 or higher-resolution monitor with 256 colors
Mouse	Microsoft Mouse or compatible pointing device



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Medium Network (6-10 Computers) - Dedicated

Processor	PC with an AMD 64bit / Intel Pentium class Dual Core processor 2.4 GHz minimum
Operating System	Microsoft Windows XP Professional or later
Memory	4GB DDR400 GHz (PC 3200)
Recommended:	4GB DDR700 GHz (PC 5600)
Hard Disk	120GB ATA / SATA
Drive	Not Required
Display	SVGA 1024 x 768 or higher-resolution monitor with 256 colors
Mouse	Microsoft Mouse or compatible pointing device

Large Network (10-20 Computers) - Dedicated

Processor	PC with an Intel i3 series or Xeon Multi-Core processor 2.0 GHz minimum
Operating System	Microsoft Windows XP Professional or later
Memory	6GB DDR400 GHz (PC 3200)
Recommended:	6GB DDR700 GHz (PC 5600)
Hard Disk	160GB ATA / SATA
Drive	Not Required
Display	SVGA 1024 x 768 or higher-resolution monitor with 256 colors
Mouse	Microsoft Mouse or compatible pointing device

Medium Network (6-10 Computers) - Dedicated

Processor	PC with an Intel I™ series or Xeon Multi-Core processor 2.0 GHz minimum
Operating System	Microsoft Windows XP Professional or later
Memory	6GB DDR400 GHz (PC 3200)
Recommended:	6GB DDR700 GHz (PC 5600)
Hard Disk	160GB ATA / SATA
Drive	Not Required
Display	SVGA 1024 x 768 or higher-resolution monitor with 256 colors
Mouse	Microsoft Mouse or compatible pointing device

Large Network (10-20 Computers) - Dedicated

Processor	PC with an Intel i5 series or Xeon Multi-Core processor 2.4 GHz minimum
Operating System	Microsoft Windows XP Professional or later
Memory	8GB DDR400 GHz (PC 3200)
Recommended:	8GB DDR700 GHz (PC 5600)
Hard Disk	300GB ATA / SATA
Drive	Not Required
Display	SVGA 1024 x 768 or higher-resolution monitor with 256 colors
Mouse	Microsoft Mouse or compatible pointing device



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<i>Enterprise (20+ Users) - Dedicated</i>	
Processor	PC with an Intel I™ Series or Xeon Multi-Quad-Core processor 2.4 GHz minimum
Operating System	Microsoft Windows Server 2003 R2 with Terminal Services
Memory	8GB DDR700 GHz (PC 5600)
Recommended:	12GB DDR3 1066 MHz (PC 8500)
Hard Disk	300GB ATA / SATA / RAID
Drive	Not required
Display	SVGA 1024 x 768 or higher-resolution monitor with 256 colors
Mouse	Microsoft Mouse or compatible pointing device

<i>Enterprise (20+ Users) - Dedicated</i>	
Processor	PC with an Intel I™ Series or Xeon Multi-Quad-Core processor 2.4 GHz minimum
Operating System	Microsoft Windows Server 2003 R2 with Terminal Services
Memory	12GB DDR700 GHz (PC 5600)
Recommended:	16GB DDR3 1330 MHz (PC 10600)
Hard Disk	500GB ATA / SATA / RAID
Drive	Not required
Display	SVGA 1024 x 768 or higher-resolution monitor with 256 colors
Mouse	Microsoft Mouse or compatible pointing device

WORKSTATION HARDWARE REQUIREMENTS

Processor	PC with an AMD / Intel© Pentium Processor 1.8 GHz minimum
Operating System	Microsoft Windows XP Professional or later
Memory	1GB DDR333 (PC 2700)
Recommended:	2GB DDR400 (PC 3100)
Hard Disk	40GB ATA / SATA
Drive	Not required
Display	SVGA 1024 x 768 or higher-resolution monitor with 256 colors
Mouse	Microsoft Mouse or compatible pointing device

NETWORK HARDWARE REQUIREMENTS

<i>Wired</i>	
Cabling	CAT5
Recommended:	CAT5e
Speed	10/100Mbps
Recommended:	10/100/1000Mbps

<i>Wireless</i>	
Protocol	802.11g
Speed:	54MBps
Recommended:	802.11n
Speed	300MBps



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REMOTE COMPUTING

In computing, the term **remote desktop** refers to software or an OS feature allowing applications, often including, graphical applications, to be run remotely on a server, while being displayed locally. Remote desktop applications have varying features. Some allow attaching to an existing user's session (i.e. a running desktop) and "remote controlling", either displaying the remote control session or blanking the screen. Taking over a desktop remotely is a form of remote administration. Microsoft Windows Server operating systems have the capability to allow multiple user sessions at a time without interfering with each other. However, this solution can be quite costly due to per seat licenses for users. Unfortunately, LogMeIn Ignition™ does not have the ability to utilize Terminal Services from an Apple iPad™ or Android™ device. However, there are other applications that support creating multiple sessions instead of using the console login.

This can also be explained as remote control of a computer by using another device connected via the internet or another network. This is widely used by many computer manufacturers and large businesses' help desks for technical troubleshooting of their customers' problems. This can also be utilized to accomplish tasks away from the physical location of the computer hardware where the applications are located.

Today, there are several different types of hardware that can utilize this operability. Hardware that can harness this capability in conjunction with ClinicPro's software is shown below. Until now, ClinicPro's software requirements were restricted to Microsoft based solutions. However, with the software available to support remote computing, this barrier has been broken.

<i>Hardware (Touch-Screen Devices)</i>	<i>Software Required</i>	<i>Specifications</i>
Tablet / Net-book	Microsoft Windows Remote Desktop Connection (RDP) [Tested] Ultra VNC (Server software required)	PC with an AMD / Pentium-class processor 1.8 GHz minimum
Recommended:	Microsoft Windows Remote Desktop Connection (RDP) LogMeIn Ignition™ [Tested]	
Android™ Device (Smartphone / Tablet)	LogMeIn Ignition™ [Tested] Xtralogic Remote Desktop™ PC Remote Controller™ RemoteDroid™ Remote RDP™	[None Tested]
Recommended:	LogMeIn Ignition™ [Tested]	
Apple iPad2™	LogMeIn Ignition™ [Tested] Remote Desktop Lite – RDP™ iRemoteDesktop Free™ RemotePC Remote Access™ Splashtop Remote Desktop Free™ TeamViewer HD™ Connect My Mac™ Mocha RDP Lite / Pro™ [Tested]	Apple iPad2 [Tested] Wi-Fi Only 32GB
Recommended:	LogMeIn Ignition™ [Tested]	



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Use this page to write any questions or concerns regarding hardware and fax to our support office at 517-351-1854