



Recommended Hardware & Technical Specifications

iSALUS Healthcare™

November 2013

Getting Started

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The following technology will enable your medical group to experience all the advantages of OfficeEMR™'s convenient Web-based platform.

OfficeEMR™ is a centrally hosted, web-based application that does not require additional hardware, operating systems, database management systems (DBMS), drug information databases, clinical practice guidelines, backup utilities, or third-party software applications, etc.

To experience all the advantages of OfficeEMR™, the following technical requirements must be met prior to completing implementation. Clients are responsible for adhering to OfficeEMR™'s technical requirements.

High Speed Internet Connection

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PCs will need to access the Internet directly or through a local area network. Most business broadband accounts can service these needs very inexpensively; typical connection types include DSL, Cable, Wireless, or fractional T1 lines.

The table below provides the required ISP bandwidth recommendations. Please note that these numbers are estimates based upon average product usage. Extensive use of scanning documents may require higher bandwidth speeds. In most situations you will want to have the middle or highest Business Class Internet plan from your ISP.

Clients are responsible for troubleshooting network issues (latency, packet loss, etc.) outside of iSalus's firewall (i.e. from users' workstations to <https://www.officemd.net>). If there is additional Internet traffic in the office, you may wish to use higher speeds.

Office Size	Minimum Recommended Speed	
	Upload	Download
1-5 concurrent users with latency < 100 ms	768 Kb/s to 1 Mb/s	1 Mb/s
6-10 concurrent users with latency < 100 ms	1.5 Mb/s	1.5 Mb/s
11-20 concurrent users with latency < 100 ms	1.5 Mb/s	3 Mb/s
21-30 concurrent users with latency < 100 ms	2 Mb/s	3 Mb/s
More than 30 concurrent users with latency < 100 ms	3 Mb/s	5 Mb/s

To verify actual speed, follow the instructions at <http://www.speedtest.net>

* OfficeEMR™ only requires the following network ports 80 (HTTP) and 443 (SSL).

Computer Recommendations

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In order to guarantee reliable support and the latest in technology, it may be advantageous to acquire a lease and support agreements for your hardware. As operating systems, internet browsers and other technology enhancements are made available, hardware recommendations may be updated. Check back for updates.

Finally, the best piece of advice we can give you is to purchase quality products from brand names such as DELL and HP, and have a professional set it all up.

Office and Clinical Staff – Hardware Recommendations		
Desktop PC (Scheduling & Billing)	Desktop or Laptop (EMR or Document Scanning)	Tablet (EMR) – Examples on pg. 5
<p><i>Suggested Processor Configuration</i></p> <p>2nd Gen Intel Core i3 +</p> <p><i>Minimum Configuration</i></p> <ul style="list-style-type: none"> • 1st Gen Intel Core i3 or Equivalent 	<p><i>Suggested Processor Configuration</i></p> <p>3rd Gen Intel Core i3 2.66GHz +</p> <p><i>Minimum Configuration</i></p> <ul style="list-style-type: none"> • 2nd Gen Intel Core i3 or Equivalent 	<p><i>Suggested Processor Configuration</i></p> <p>3rd Gen Intel Core i5 2.50GHz +</p> <p><i>Minimum Configuration</i></p> <ul style="list-style-type: none"> • 2nd Gen Intel Core i5 or Equivalent
<p>4 GB Memory or higher</p> <p><i>Minimum Configuration</i></p> <p>2 GB Memory</p>	<p>4 GB Memory or higher</p> <p><i>Minimum Configuration</i></p> <p>2 GB Memory</p>	<p>4 GB Memory or higher</p> <p><i>Minimum Configuration</i></p> <p>2 GB Memory</p>
Windows 7 or 8 (NOT RT)	Windows 7 or 8 (NOT RT)	Windows 8 Pro (NOT RT)
Video Resolution 1152 x 864 + Both numbers need to match or higher	Video Resolution 1152 x 864 + Both numbers need to match or higher	Video Resolution 1152 x 864 + Both numbers need to match or higher
IE 8, 9, 10, or 11 at 100% Zoom	IE 8, 9, 10, or 11 at 100% Zoom	IE 10 or 11 at 100% Zoom
		Stylus Needed for Touch Screen Double Click in IE

Tablet Recommendations

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Tablet Hardware Recommendations Examples							
Key Requirements	Lenovo Think Pad Tablet 2	Dell Latitude 10	Dell Venue 11 Pro	HP ElitePad	Sony Tap 11 Tablet PC	MS Surface 2	MS Surface Pro 2
Display: 10 inch +	10.1"	10.1"	10.8"	10.1"	11.6"	10.6"	10.6"
Processor: Intel Core i Series	No Atom	No Atom	Yes Core i5	No Atom	Yes Core i Series	No NVIDIA	Yes Core i5
Screen Resolution: 1152 x 864 (W x H) +	No 1366 x 768	No 1366 x 768	Yes 1920 x 1080	No 1280 x 800	Yes 1920 x 1080	Yes 1920 x 1080	Yes 1920 x 1080
Operating System: Windows 8 or 8.1 NOT RT	Yes Win 8	Yes Win 8	Yes Win 8.1	Yes Win 8 Pro	Yes Win 8	No Win RT 8.1	Yes Win Pro 8.1
Recommended For OfficeEMR™	No	No	Yes Core i5 Model	No	Yes Core i Series Models	No	Yes

Cautions:


The Intel Atom processors are lower performing processors and are not as fast as the Intel Core i Series processors. Many clients will not be happy with the performance of OfficeEMR™ using the Atom processors.




Screen Resolution Heights lower than 864 will zoom in electronic documents making them not very useful and hard to work with. This can also make some screens difficult to work in, i.e. Drug Search Window.

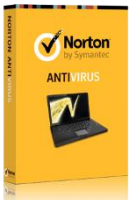

In IE pressing the "F11" key puts IE in full screen mode. This will help when working in lower screen resolution heights.

Additional Hardware

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Printer – Hardware Recommendation	
Office Printer	Rx Printer
<p>Current Model Laser Printer</p> <p>Capable of printing 20 pages per minute or faster</p>	<p>Star TSP800II or TSP800IIRx</p> <p>w/LAN Module (Network) or w/USB Module (Individual)</p> <div style="text-align: right; padding-right: 20px;">  </div>

Scanners & Cameras – Hardware Recommendation		
Document Scanning	Insurance / ID Card Scanning	Web Camera
<p>Document Scanning</p> <div style="text-align: center; padding: 10px;">  </div> <p style="text-align: center;">1,000+ Daily Page Duty Cycle</p>	<p>ID Scanner</p> <div style="text-align: center; padding: 10px;">  </div>	<p>Check-In Camera</p> <p style="text-align: center;">Creative Labs (any Web Cam)</p> <div style="text-align: center; padding: 10px;">  </div>
<p><i>* All Scanning Devices and Cameras MUST use TWAIN Compliant Drivers</i></p> <p><i>** Document Scanners need to be capable of scanning at 75 to 100 dpi Resolution</i></p> <p><i>*** TWAIN Scanners and Cameras may eventually become Non-Compliant and may need to be replaced</i></p>		

Antivirus	Dictation
<p>iSalus Recommends</p> <div style="text-align: center; padding: 10px;">  </div>	<p>iSalus Recommends</p> <div style="text-align: center; padding: 10px;">  </div>

OfficeEMR™ on other platforms

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Running OfficeEMR™ on a MAC

- PC with Intel® 1st Gen i3 Processor or higher
- **32-Bit Internet Explorer is Required** to run OfficeEMR™

Parallels®

- Recent Parallels Desktop will work on any Mac running Snow Leopard (OS X 10.6.8) or later
- In Parallels set Memory to **2 GB** or higher for your Windows Virtual Machine

Clients will also need:

- Legal Copy of Microsoft Windows 7 or 8
- Screen Resolution on your Mac of 1152 x 864 or higher
- At least **4 GB+** of RAM in your Mac

Other Options:

VMware Fusion

Boot Camp – **ONLY Boot as a PC OR a Mac** – CANNOT Run both OSES at the Same Time*

- Boot Camp comes as a part of Mac OS X

***Can run your Boot Camp partition in Parallels or VMWare Fusion and get all the benefits of both OSES as well as running PC-only software at full speed.**