



1. Workstation for each Front Officer staff 2. Workstation or Tablet PC for each nurse 3. Workstation, laptop, or Tablet PC for each physician

WORKSTATIONS	
Processor	Intel P4 (2.6 GHz), Intel Dual-Core (1.6GHz) higher configuration
Memory	1GB 1GB eCW + MS Office 2003-2007 2GB eCW + MS Office 2003-2007 + Dragon Medical V. 10
Hard Drive	10 GB of free space
Operation System	Windows XP Pro SP3 / VISTA Business (32-Bit), Enterprise (32-Bit), Ultimate (32-Bit), Windows 7 Enterprise (32-Bit), Ultimate (32-Bit), Professional (32-Bit)
Network	100MB

NOTE: Billing computers may require a separate modem and separate dedicated analog phone line based on your clearing house OR direct claim submissions to payers. No VOIP or DSL lines. No splitter or filter.

TABLETS/LAPTOPS	
Processor	Intel Pentium M with Centrino Mobile Tech 1.0 GHz
Memory	1GB eCW + MS Office 2003-2007 2GB eCW + MS Office 2003-2007 + Dragon Medical V. 10
Hard Drive	10 GB of free space
Operation System	Windows XP Pro SP3 / VISTA Business (32-Bit), Enterprise (32-Bit), Ultimate (32-Bit), Windows 7 Enterprise (32-Bit), Ultimate (32-Bit), Professional (32-Bit)
Network	802.11 G or N Wireless

PERIPHERALS	
Printers	Laser Printer must support PCL5 or higher (All-in-one devices CANNOT be used as a scanner , but, can be used as printing devices ONLY)
Scanner	Twain v1.2 Compatible drivers required. Recommended Model(s) : Fujitsu fi-6130C or fi-6230C, Panasonic KVS10xxx
Router	Secure encrypted connectivity for communication between facilities is required --- Recommended models: Linksys RV042, Linksys RV082, SonicWALL TZ190, SonicWALL TZ210, Cisco ASA 5505
Access Point	802.11G Compatible or higher. Recommended Model(s) : Cisco Aironet, SonicWALL TZ190
Card Scanner	MedicScan OCR supported. (OCR works for some Driver's license not for insurance cards) Please check website for details http://store.card-reader.com/t-eclinicalworks.aspx
Analog Modems	Mainpine IQ Express (PCI-E slot required)
Network Backbone	Switched Network backbone must support 100 Mbps or Higher

SERVER REQUIREMENTS						
Application ¹	# of Servers	# of Processors	CPU	Memory	Disk Space	OS
Application ¹	3+	1	Quad Core 1.6Ghz	4GB	OS: 20GB / 40GB Data: 30GB / 60GB	Microsoft Windows 2003/2008 Server / 2008 R2 (64-Bit)
Test	1	1	Quad Core 1.6Ghz	4GB	OS: 20GB / 40GB Data: 120GB	Microsoft Windows 2003/2008 Server / 2008 R2 (64-Bit)
Database	2 ²	2	Quad Core 1.6Ghz	32GB	OS: 20GB / 40GB Data: ⁴ and ⁵	Microsoft Windows 2003/2008 Server / 2008 R2 (64-Bit), RedHat Ent 4.5, Debian 5 (64-Bit)
FTP	2 ²	1	Quad Core 1.6Ghz	4GB	OS: 20GB / 40GB Data: ⁴	Microsoft Windows 2003/2008 Server / 2008 R2 (64-Bit)
Interface	1	1	Quad Core 1.6Ghz	4GB	OS: 20GB / 40GB Data: 120GB	Microsoft Windows 2003/2008 Server / 2008 R2 (64-Bit)
Reads/Replica	1	2	Quad Core 1.6Ghz	16GB	OS: 20GB / 40GB Data: ⁴	Microsoft Windows 2003/2008 Server / 2008 R2 (64-Bit), RedHat Ent 4.5, Debian 5 (64-Bit)
Server(s) for eClinicalWorks software should not play any other role such as Active Directory, RAS, and/or Terminal server						
Clients with multiple tenant architectures will require an eCW Technical Architect to specify hardware requirements						
An SSL Security certificate is required for FTP and APP if using the eClinicalWorks SSL client						

FAX SERVER REQUIREMENTS						
Analog Fax 1 Port	1 ³	1	2.6GHz	1GB	10GB	Microsoft Windows XP Pro SP3 (32-bit only)
Analog fax requirements (above) are only applicable to standard 1 Port Mainpine IQ Express --- PCI-E slot required						
Analog Fax 2 / 4 Port	1 ³	1	2.6GHz	4GB	10GB	Microsoft Windows 2003 - 2008 32 / 64-bit (Standard / Enterprise)
Analog fax requirements (above) are only applicable to standard 2 / 4 Port Mainpine IQ Express --- PCI-E slot required						
Fax servers require a separate modem and separate dedicated analog or digital phone line based on the solution type. No VOIP or DSL lines. No splitter or filter. Analog fax server software is not supported on any version of Windows VISTA.						
Digital Fax	High Performance: Cantata Brooktrout TR1034 / Aculab (Requires Microsoft Windows 2003 Server 32-bit) Refer to Digital Fax Requirements					

NOTES	
¹ Add One Application server for every additional 100-150 Users. Hardware Load Balancer Required for 3 or more application servers	² (2) Node OS Clustering
⁴ Database/EBO/Read average 3GB each per FTE over 3 Years. FTP Average 8GB - 10GB per FTE over 3 Years.	³ Min of (1) server required. The number of fax servers will depend on the type Fax Solution
	⁵ Requires a separate physical drive (RAID strongly recommended for the backups and logs)
OS drives should always be on separately configured RAID 1 sets. For the best performance the DATA drive should be on a RAID 10 partition	