CADWELL®

TITLE: Computer Specifications & Requirements for Cadwell Instruments
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Computer Specifications and Requirements
for Cadwell® Instruments

Application

Listed below are the minimum requirements for a computer to operate Cadwell instruments.

Regulatory Requirements

Domestic (US and Canada): Computer must be third party certified to UL 1950 or IEC 950. European Union: Computer must be third party certified to EN 60950.

Minimum Hardware Requirements

	Easy® III, Easy Ambulatory, ApneaTrak hardware for XP	Easy® III, Easy Ambulatory, ApneaTrak hardware for Windows 7	Easy® Sentinel Nurse Monitor Software	Sierra® II Wedge	Cascade®, Cascade Elite®, Cascade Pro®	Sierra Wave®
Operating System	32-Bit Windows XP Professional, (SP2, SP3 recommended), NTFS file system	Windows 7 Pro 64 bit.	32-Bit Windows XP Professional, (SP2, SP3 recommended), NTFS file system; Windows 7 Pro 64 bit.	Windows 98 32-Bit Windows XP Professional SP2, Windows Vista/7 with required patches.	32-Bit Windows 7Professional 64-bit Windows 7 Professional	Windows XP Pro (SP2), or Windows 7 Pro. (32 or 64 Bit)
Processor	Dual Core, 2.13 GHz *Recommend Quad Core, 2.66 GHz or faster*	Dual Core, 3.2 GHz for faster *Recommend i7 or Quad Core*	Quad Core, 2.66 GHz or faster	Pentium III, 450 MHz	Intel i7 or equivalent	Centrino Duo or Core 2 Duo, 1.6 GHz
Hard Disk Drive	160 GB, NTFS file system, *Recommend 750 GB if the system is used for long term epilepsy monitoring or if several weeks of data storage is required.*	160 GB, NTFS file system, *Recommend 750 GB if the system is used for long term epilepsy monitoring or if several weeks of data storage is required.*	160 GB, NTFS file system	2 Gigabytes	80 Gigabytes 7200 RPM	80 Gigabytes
Memory (RAM)	4 GB	8 GB	4 GB Recommend 8 GB with Windows 7 64 bit	64 MB *Recommend*: 128 MB	4 GB	512 MB (3.0 GB for Windows 7)
Archive Device	Recordable DVD+R/+RW and CD-RW Drive.	Recordable DVD+R/+RW and CD-RW Drive.	Not required	Any Windows supported device *Recommend:* CD-R	Any Windows supported device	Recordable DVD or CD-R Drive to use built-in Windows archive utility in software. Otherwise, any Windows supported device.
Graphics	1600 x 1200 resolution for PSG studies, 1280 x 1024 for EEG/LTM/EMU/ICU studies, 256 MB, *optional dual monitor output*	1600 x 1200 resolution for PSG studies, 1280 x 1024 for EEG/LTM/EMU/ICU studies, 256 MB, *optional dual monitor output*	1600 x 1200 resolution, 512 MB	800 X 600 resolution, 2 MB *Recommend: 1024 x 768*	1024 x 768 resolution; 16 MB, 32-bit color depth (*supported,* but not recommended). Resolutions higher than 1600x900 may cut off areas in the display for settings windows that have a fixed size.	1600 x 900; *No Higher,* 64 MB, ATI Graphics
Network	10 Base-T Ethernet card required for connection to amplifier. A second network card is required for connection to a LAN, or IP based camera.	10 Base-T Ethernet card required for connection to amplifier. A second network card is required for connection to a LAN, or IP based camera.	100 Base-T Ethernet card Recommend: 1000 Base-T	10 Base-T Ethernet card	10 Base-T Ethernet card, Second card (10/100 Base-T) required for remote monitoring	10 Base-T Ethernet card. Second card (10/100 Base-T) or Wireless required if data is shared across a LAN network.

Video and Audio	Video: Analog NTSC input to video-USB adapter. Audio: SoundMAX® compatible input, omni directional low impedance microphone.	Video: Analog NTSC input to video-USB adapter. Audio: SoundMAX® compatible input, omni directional low impedance microphone.				

Minimum Server Requirements for Easy III and ApneaTrak Systems Utilizing a Server

	Application Server running Easy III Office Server	Citrix Server running Easy III Workstation Client
Operating System	Windows Server 2003, 32-Bit, Windows XP Professional, 32 bit, SP2, SP3 recommended, NTFS file system, Windows Server 2008 R2	Windows Server 2003, 32-Bit with XenApp 4.5; Windows Server 2008 R2 with XenApp 6.5
Processor	Dual Core, 2.13 GHz *Recommend i7 or Quad Core*	Quad Core, 2.66 GHz *Recommend Quad Core, 2.66 GHz or faster*
Hard Disk Drive	80 GB on C: drive of server or virtual server for Easy III application software. If patient records will be stored on the server an alternate drive (D: S:, etc..) can be selected..	80 GB on C: drive of server for Easy III application software.
RAM	4 GB	8GB, Recommend 16 GB
SAN Support	Yes. All workstations must have access to SAN.	Yes.
Virtual Server Support	Yes.	Yes.
Graphics	1280 x 1024	1280 x 1024
Network	1000 Base-T	1000 Base-T