

System requirements for CardioPerfect Workstation 1.6.4.

To work with CPWS software, you need the following minimum recommended configuration.

Item	Resting ECG, ABP, Spiro, Recollect ^{1,2}	Stress ECG ^{1,2}	CPWS Server – small office ¹	CPWS Server – enterprise ¹
Configuration	Tower or desktop PC preferred; laptop or tablet	Tower or desktop PC	Tower or desktop PC	Server
CPU	P4 (or equivalent) or higher	P4 (or equivalent) or higher	P4 (or equivalent) or higher	P4/XEON (or equivalent) or higher
Hard disk	20 GB with 5 GB free space	40 GB with 10 GB free space	120 GB with 40 GB free space	200 GB with 40 GB free space RAID 5 array or RAID array controller with memory backup recommended
RAM	512 MB, 1 GB or higher recommended	1 GB or higher	1 GB or higher	1 GB or higher
Monitor resolution	1024x768 true color, 1280x1024 recommended	1024x768 true color	1024x768 true color	1024x768 true color
Monitor size	15" or higher	17" or higher	N/A	N/A
Ports	2 USB	3 USB and 2 serial	N/A	N/A
Operating system ³	XP SP2 or later, Vista Business SP1 or later, Windows 7 Home Premium, Professional, or Ultimate	XP SP2 or later, Vista Business SP1 or later, Windows 7 Home Premium, Professional, or Ultimate	Windows Server 2003, 2008, 2008 R2; XP SP2 or later; Windows 7 (Home Premium, Professional, or Ultimate)	Windows Server 2003, 2008, 2008 R2
Peripherals	Color printer recommended for Spirometry Compatible with inkjet and laser printers			Printer optional

¹ An Internet connection is required for the Telemedicine option or to allow Welch Allyn to provide online technical support.

² A PC running only CPWS and EMR applications during tests.
If using CPWS software in a language other than English, select a numerical option for the Windows date format (under Regional Options). Formats that include month names are reliable only in the English version of the software.

³ Both 32- and 64-bit operating systems are supported.

Thin-client system requirements

To work with CPWS software in thin-client environment, you need the following minimum recommended configuration:

Item	Resting ECG	Spiro	ABP	Server
Configuration	Tower or desktop PC preferred; laptop or tablet	Tower or desktop PC preferred; laptop or tablet	Tower or desktop PC preferred; laptop or tablet	Tower or desktop PC
CPU	P4 (or equivalent) or higher	P4 (or equivalent) or higher	P4 (or equivalent) or higher	P4 (or equivalent) or higher
Hard disk	5 MB free space	5 MB free space	5 MB free space	120 GB with 40 GB free space
RAM	512 MB, 1 GB or higher recommended	512 MB, 1 GB or higher recommended	512 MB, 1 GB or higher recommended	1 GB or higher
Monitor resolution	1024x768 high color, 1280x1024 recommended	1024x768 high color, 1280x1024 recommended	1280x1024 high color, 1280x1024 recommended	N/A
Monitor size	15" or higher	15" or higher	15" or higher	N/A
Ports	USB	USB or serial	USB or serial	N/A
Connection technology	PerfectLink	PerfectLink	COM port forwarding	N/A
Operating system ¹	XP SP2 or later, XP embedded, Vista Business SP1 or later, Windows 7 Home Premium, Professional, or Ultimate	XP SP2 or later, XP embedded, Vista Business SP1 or later, Windows 7 Home Premium, Professional, or Ultimate	XP SP2 or later, Vista Business SP1 or later, Windows 7 Home Premium, Professional, or Ultimate	Windows Server 2003, 2008, 2008 R2
Peripherals	Color printer recommended for Spirometry Compatible with inkjet and laser printers			

¹ Both 32- and 64-bit operating systems are supported.

PerfectLink is available on the CardioPerfect installation CDROM.

About the database

Note: All CardioPerfect installations include the following free SQL licenses:

- SQL MSDE 2000. This database engine can store up to 2GB of data (this accommodates approximately 1500 stress tests, depending on file size). MSDE 2000 is not available on all operating systems. If not supported, this option will be greyed out in the installation program.
- SQL Server 2005 Express Edition. This database engine can store up to 4GB of data.

Microsoft SQL Server 2008 Express and 2008 R2 Express are available as free downloads from Microsoft, and have a maximum database size of 10GB. If you want to use either of those database engines, uncheck the database installation option in the CardioPerfect Installer and manually create the CardioPerfect database with the dbbuilder tool, which is available both on the CardioPerfect CDROM and in the CardioPerfect installation directory after installation.

You can purchase MS SQL licenses from Microsoft for versions that allow unlimited storage.

CardioPerfect can use these database engines:

- Microsoft SQL Server 2008 R2 and Microsoft SQL Server 2008 R2 Express
- Microsoft SQL Server 2008 and Microsoft SQL Server 2008 Express
- Microsoft SQL Server 2005 and Microsoft SQL Server 2005 Express
- Microsoft SQL Server 2000
- Microsoft SQL Server 7
- Microsoft MSDE database (a runtime version of MS SQL Server 7 / 2000)

Note: To use with CardioPerfect, existing SQL Server installations must have mixed-mode authentication enabled.

Database installation

The database installation process installs either the Microsoft MSDE database engine or the Microsoft SQL Server 2005 Express Edition, depending on your installation selection, and creates a database named ccdb in an instance named CARDIOPERFECT. This database contains all information generated by CPWS. A second database called ccdb_audit is installed for maintaining an audit trail when enabled.