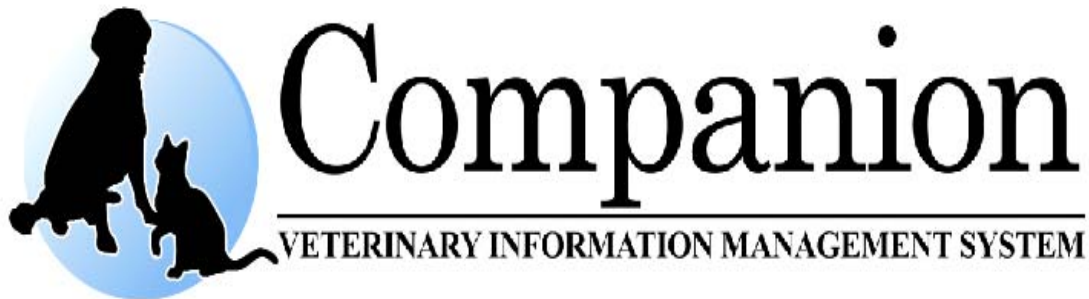




Butler Animal Health Supply
Technology Solutions
5600 Blazer Parkway
Dublin, OH 43017
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Hardware Requirements and Recommendations

Revised 10/13/2008

If you have any questions, please contact our Tech Support team at (800) 827-2243 or visit www.accessbutler.com/companion.



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Introduction:

Butler Animal Health Supply's practice management software (Companion™ and Triple Crown™) hardware requirements and recommendations are based upon our testing of current hardware technologies and an acceptable level of responsiveness of the software. The requirements and recommendations are based upon the testing as of the revision date of this document.

Butler Animal Health Supply highly recommends the use of "Business class" machines for your practice management software. Business class machines are designed for heavy usage over long periods of use where the consumer class equipment is not. Business class machines typically offer better warranty coverage and manufacturer support. If you are in doubt as to the type of machine you are purchasing, please contact us for assistance.

If you have any questions about these hardware requirements or how to check to see if your current hardware meets the requirements, please contact our Technical Support department at (800) 827-2243. Our phone lines are open 8:00am – 8:00 pm Eastern Time Monday through Friday and 10 am – 3 pm Eastern Time on Saturday. You may also submit your questions via e-mail to support@butlerahs.com.

Peer-to-Peer (PTP) Server for 1-10 users:

Component	Required Specifications	Recommended Specifications
Processor	Intel Dual Core or AMD 64 bit	Intel Core2 Duo or AMD 64 X2
Speed	1.6 GHz or higher	2.0 GHz or higher
RAM	1 GB (if running XP) 2 GB (if running Vista)	2 GB (if running XP) 3 GB (if running Vista)
Video	ATI or nVidia graphics card with 128 MB dedicated memory	ATI or nVidia graphics card with 256+ MB dedicated memory
Hard Drive	80 GB 7200 RPM	160 GB 7200 RPM using RAID 1 (mirror)
Monitor	17" LCD monitor running a resolution of 1024X768 or 1280X1024 and 24 bit color depth	19" or higher LCD monitor running a resolution of 1280X1024 or higher and 24 bit color depth
Compatible Operating Systems¹	Windows XP (Professional and Tablet Edition) Windows Vista (Business, Enterprise, and Ultimate)	Windows XP (Professional and Tablet Edition) Windows Vista (Business, Enterprise, and Ultimate)
SQL Server Version	SQL 2005 Express	SQL 2005 Express SQL 2005 Workgroup Edition (if database is over 4 GB)
Optical Drive	48X CD-RW/DVD	16X DVD +/- RW
Backup Software	Windows XP / Vista "Drag and Drop" burning	NTI Backup Now 4.x+ Nero Back-it up 8.x +
Backup Media	CDRW for 6 days CD R for 1 day CD R monthly/yearly backup	DVD +/- RW for 6 days DVD +/- R for 1 day DVD +/- R monthly/yearly backup
Standard Components	Keyboard Mouse (optical) 10/100/1000 Network card Serial ports (for lab machines) USB 2.0 ports	Keyboard Mouse (optical) 10/100/1000 Network card USB to Serial adapters (for lab machines if no serial port are available) USB 2.0 ports
Optional Components	Internet Access (dial up)	Internet Access (broadband)
Optional Software		Office Basic (Word, Excel, Outlook)

¹ Home versions of Vista and XP are not designed for business use or applications and are not compatible with Companion™ / Triple Crown™ software. For Windows Vista, you must disable User Account Control and Vista Aero.

Peer-to-Peer (PTP) / Domain Workstations:

Component	Required Specifications	Recommended Specifications
Processor	Intel Dual Core or AMD 64 bit	Intel Core2 Duo or AMD 64 X2
Speed	1.6 GHz or higher	2.0 GHz or higher
RAM	1 GB (if running XP) 2 GB (if running Vista)	2 GB (if running XP) 3 GB (if running Vista)
Video	ATI or nVidia graphics card with 128 MB dedicated memory	ATI or nVidia graphics card with 256+ MB dedicated memory
Hard Drive	80 GB 7200 RPM	80 GB+ 7200 RPM
Monitor	17" LCD monitor running a resolution of 1024X768 or 1280X1024 and 24 bit color depth	19" or higher LCD monitor running a resolution of 1280X1024 or higher and 24 bit color depth
Compatible Operating Systems ²	Windows XP (Professional and Tablet Edition) Windows Vista (Business, Enterprise, and Ultimate)	Windows XP (Professional and Tablet Edition) Windows Vista (Business, Enterprise, and Ultimate)
Optical Drive	48X CD-RW/DVD	16X DVD +/- RW
Standard Components	Keyboard Mouse (optical) 10/100/1000 Network card Serial ports (for lab machines) USB 2.0 ports	Keyboard Mouse (optical) 10/100/1000 Network card USB to Serial adapters (for lab machines if no serial port are available) USB 2.0 ports
Optional Components	Internet Access (dial up)	Internet Access (broadband)
Optional Software		Office Basic (Word, Excel, Outlook)

² Home versions of Vista and XP are not designed for business use or applications and are not compatible with Companion™ / Triple Crown™ software. For Windows Vista, you must disable User Account Control and Vista Aero.

Domain (dedicated) Server for 1-10 users:

Component	Required Specifications	Recommended Specifications
Processor	Intel Core2 Duo or AMD 64 bit	Intel Dual Core Xeon or AMD Opteron
Speed	2.0 GHz or higher	2.5 GHz or higher
RAM³	4 GB	4+ GB (requires 64 bit Operating System)
Video	On-board	On-board
Hard Drive	160 GB 7200 RPM using RAID 1 (mirror) partitioned into two drives with the large drive containing the database	250 GB 7200 RPM using RAID 1 (mirror) partitioned into two drives with the large drive containing the database
Monitor	17" LCD monitor running a resolution of 1024X768 or 1280X1024 and 24 bit color depth	19" or higher LCD monitor running a resolution of 1280X1024 or higher and 24 bit color depth
Compatible Operating Systems⁴	Windows 2003 Server Std 32 bit Windows 2003 R2 Server Std 32 bit Windows 2003 Server Std 64 bit Windows 2003 R2 Server Std 64 bit Windows 2008 Server Std 32 bit Windows 2008 Server Std 64 bit	Windows 2003 Server Std 64 bit Windows 2003 R2 Server Std 64 bit Windows 2008 Server Std 64 bit
SQL Server Version	SQL 2005 Express (up to 4 GB databases) SQL for Workgroups 2005 SQL Server 2005 Std 32 bit SQL Server 2005 Std 64 bit	SQL for Workgroups 2005 SQL Server 2005 Std 32 bit SQL Server 2005 Std 64 bit
Optical Drive	48X CD-RW/DVD	16X DVD +/- RW
Backup Device	Tape Media (DAT, LTO, Travan) External Hard drive Removable Disk Cartridge	Tape Media (DAT, LTO, Travan) External Hard drive Removable Disk Cartridge
Backup Software	Symantec Backup Exec version 10.x or higher (version 12 is required for Server 2008)	Symantec Backup Exec version 10.x or higher (version 12 is required for Server 2008)
Standard Components	Keyboard Mouse (optical) 10/100/1000 Network card USB 2.0 ports	Keyboard Mouse (optical) 10/100/1000 Network card USB 2.0 ports
Optional Components	Internet Access (dial up)	Internet Access (broadband)
Optional Software		

³ For Terminal Services, please allocate a min of 200 MB per Terminal Connection.

⁴ Please note that all Server 2008 versions are not compatible with the DVM Manager Software.

If you have any questions, please contact our Tech Support team at (800) 827-2243 or visit www.accessbutler.com/companion.

Domain (dedicated) Server for 11-20 users:

Component	Required Specifications	Recommended Specifications
Processor 1	Intel Quad Core Xeon or AMD Opteron	Intel Quad Core Xeon or AMD Opteron
Processor 2 (optional)	Intel Quad Core Xeon or AMD Opteron	Intel Quad Core Xeon or AMD Opteron
Speed	2.0 GHz or higher	2.5 GHz or higher
RAM ⁵	8 GB (requires 64 bit Operating System)	8+ GB (requires 64 bit Operating System)
Video	On-board	On-board
Hard Drive	500 GB 7200 RPM using RAID 5 (mirror) partitioned into two drives with the large drive containing the database	500+ GB 7200 RPM using RAID 5 (mirror) partitioned into two drives with the large drive containing the database
Monitor	17" LCD monitor running a resolution of 1024X768 or 1280X1024 and 24 bit color depth	19" or higher LCD monitor running a resolution of 1280X1024 or higher and 24 bit color depth
Compatible Operating Systems ⁶	Windows 2003 Server Std 64 bit Windows 2003 R2 Server Std 64 bit Windows 2008 Server Std 64 bit	Windows 2003 Server Std 64 bit Windows 2003 R2 Server Std 64 bit Windows 2008 Server Std 64 bit
SQL Server Version	SQL Server 2005 Workgroup Edition SQL Server 2005 Std 64 bit	SQL Server 2005 Std 64 bit
Optical Drive	48X CD-RW/DVD	16X DVD +/- RW
Backup Device	Tape Media (DAT, LTO, Travan) External Hard drive Removable Disk Cartridge	Tape Media (DAT, LTO, Travan) External Hard drive Removable Disk Cartridge
Backup Software	Symantec Backup Exec version 10.x or higher (version 12 is required for Server 2008)	Symantec Backup Exec version 10.x or higher (version 12 is required for Server 2008)
Additional Software	Microsoft Internet Information Services (IIS) 6.0+ (part of Sever 2003/2008)	Microsoft Internet Information Services (IIS) 6.0+ (part of Sever 2003/2008)
Standard Components	Keyboard Mouse (optical) 10/100/1000 Network card USB 2.0 ports	Keyboard Mouse (optical) 10/100/1000 Network card USB 2.0 ports
Optional Components	Internet Access (dial up)	Internet Access (broadband)
Optional Software		

⁵ For Terminal Services, please allocate a min of 200 MB per Terminal Connection.

⁶ Please note that all Server 2008 versions are not compatible with the DVM Manager Software.

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Domain (dedicated) Server for 21-30

users:

Component	Required Specifications	Recommended Specifications
Processor 1	Intel Quad Core Xeon or AMD Opteron	Intel Quad Core Xeon or AMD Opteron
Processor 2	Intel Quad Core Xeon or AMD Opteron	Intel Quad Core Xeon or AMD Opteron
Speed	2.5 GHz or higher	3.0 GHz or higher
RAM ⁷	16 GB (requires 64 bit Operating System)	24+ GB (requires 64 bit Operating System)
Video	On-board	On-board
Hard Drive	500+ GB 7200 RPM using RAID 5 (mirror) partitioned into two drives with the large drive containing the database	750+ GB 7200 RPM using RAID 5 (mirror) partitioned into two drives with the large drive containing the database
Monitor	17" LCD monitor running a resolution of 1024X768 or 1280X1024 and 24 bit color depth	19" or higher LCD monitor running a resolution of 1280X1024 or higher and 24 bit color depth
Compatible Operating Systems ⁸	Windows 2003 Server Std 64 bit Windows 2003 R2 Server Std 64 bit Windows 2008 Server Std 64 bit	Windows 2003 Server Std 64 bit Windows 2003 R2 Server Std 64 bit Windows 2008 Server Std 64 bit
SQL Server Version	SQL Server 2005 Std 64 bit	SQL Server 2005 Std 64 bit
Optical Drive	48X CD-RW/DVD	16X DVD +/- RW
Backup Device	Tape Media (DAT, LTO, Travan) External Hard drive Removable Disk Cartridge	Tape Media (DAT, LTO, Travan) External Hard drive Removable Disk Cartridge
Backup Software	Symantec Backup Exec version 10.x or higher (version 12 is required for Server 2008)	Symantec Backup Exec version 10.x or higher (version 12 is required for Server 2008)
Additional Software	Microsoft Internet Information Services (IIS) 6.0+ (part of Sever 2003/2008)	Microsoft Internet Information Services (IIS) 6.0+ (part of Sever 2003/2008)
Standard Components	Keyboard Mouse (optical) 10/100/1000 Network card USB 2.0 ports	Keyboard Mouse (optical) 10/100/1000 Network card USB 2.0 ports
Optional Components	Internet Access (dial up)	Internet Access (broadband)
Optional Software		

⁷ For Terminal Services, please allocate a min of 200 MB per Terminal Connection.

⁸ Please note that all Server 2008 versions are not compatible with the DVM Manager Software.

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Peer-to-Peer (PTP) / Domain Notebooks and Tablets:

Component	Required Specifications	Recommended Specifications
Processor	Intel Dual Core or AMD 64 bit	Intel Core2 Duo or AMD 64 X2
Speed	1.6 GHz or higher (laptop/tablet) 1.2 GHz ULV or higher (tablet)	2.0 GHz or higher (laptop/tablet) 1.33 GHz ULV or higher (tablet)
RAM	1 GB (if running XP) 2 GB (if running Vista)	2 GB (if running XP) 3 GB (if running Vista)
Video	ATI or nVidia graphics card with 128 MB dedicated memory	ATI or nVidia graphics card with 256+ MB dedicated memory
Hard Drive	80 GB 7200 RPM	80 GB+ 7200 RPM
Monitor	14"+ TFT LCD screen (laptop/tablet) 12" DLV (day light viewable) touch screen	14"+ TFT LCD screen (laptop/tablet) 12" DLV (day light viewable) touch screen
Compatible Operating Systems⁹	Windows XP (Professional and Tablet Edition) Windows Vista (Business and Ultimate)	Windows XP (Professional and Tablet Edition) Windows Vista (Business and Ultimate)
Optical Drive	48X CD-RW/DVD	16X DVD +/- RW
Standard Components	Keyboard (built in or external) Mouse (touchpad or external optical) 10/100/1000 Network card Wireless G or N Wireless Card USB 2.0 ports	Keyboard (built in or external) Mouse (touchpad or external optical) 10/100/1000 Network card Wireless G or N Wireless Card USB 2.0 ports
Optional Components	Internet Access (dial up) Bluetooth Fingerprint reader (for OS use only)	Internet Access (broadband) Bluetooth Fingerprint reader (for OS use only)
Optional Software		Office Basic (Word, Excel, Outlook)

⁹ Home versions of Vista and XP are not designed for business use or applications and are not compatible with Companion™ / Triple Crown™ software. For Windows Vista, you must disable User Account Control and Vista Aero.

Thin Clients:

Type	Required Specifications	Recommended Models
Terminal	Any terminal that is capable of running Microsoft Terminal Services ¹⁰	Wyse S30 WinTerm
Monitors	17" or higher LCD	
Standard Components	Keyboard Mouse Network	

Battery Backup / UPS (Uninterrupted Power Supply):

Type	Required Specifications	Recommended Models
PTP UPS¹¹	Entry level power with capacities of up to 550 VA	Belkin Office Series 550 VA UPS
Domain UPS¹²	Network-grade power with capacities of up to 1500 VA	Belkin F6C1500-TW-RK 1500 VA Dual Form Factor Small Enterprise UPS

¹⁰ A Microsoft Windows Server 2003/2008 Terminal Client Access License (CAL) is required for each machine running as a thin client. Machines running terminal services should NOT have printers attached to them.

¹¹ Battery backups are designed to protect your computer from blackouts and brownouts. During blackouts, they provide time for the PC to power off (soft shutdown) instead of being powered off without being shutdown. Battery backups are not designed for sustained use in the event of a power loss.

¹² Battery backups are designed to protect your computer from blackouts and brownouts. During blackouts, they provide time for the PC to power off (soft shutdown) instead of being powered off without being shutdown. Battery backups are not designed for sustained use in the event of a power loss.

Printers:

Type	Required Specifications	Recommended Models
Basic Monochrome Laser	25+ ppm USB (or Network Ready) Up to 25,000 pages per month	Dell 1720 Dell 1720dn
Workgroup Monochrome Laser	25+ ppm USB (or Network Ready) Up to 2000,000 pages per month	Dell 5210n
Multifunction Monochrome Laser	25+ ppm USB (or Network Ready) Up to 25,000 pages per month	Dell 1815dn
RX Label Printers	Thermal Label Printer	Dymo Labelwriter 400 Dymo Labelwriter 400 Turbo Dymo Labelwriter 330 Dymo Labelwriter 330 Turbo Zebra 2844
Credit Card Receipt Printer	Terminal Receipt Printer	Epson M-T88IV
Printer Server	Network capable with USB ports	Hawking Technologies PS12U

Additional Items:¹³

Type	Required Specifications	Recommended Models
Bio-metric Fingerprint reader¹⁴		U.are.U® 4000B Reader USB Fingerprint Reader
CCD Wired/Wireless Barcode Scanner		Wired: Wasp WCS3905 (or equivalent) Wireless: Opticon H-19
Digital Cameras	Any digital camera with a mega-pixel of 6.0+ will be of sufficient resolution for most images.	Kodak Easy Share C813 (or equivalent).
Accounting Software	QuickBooks Pro 2007	QuickBooks Pro 2007 or higher
Anti-Virus Software	Anti-virus is not required but is recommended.	AVG Anti-virus AVG Anti-virus Network Edition (for domains) Symantec Endpoint Protection 11.0

¹³ Third party platforms may not be fully compatible with Server 2008 at this time. Topaz Signature capture and Digital Performance are two known products that do not have a current Server 2008 driver.

¹⁴ Companion™ / Triple Crown™ products do not support the imbedded bio-metric reader found in most laptops and other USB bio-metric readers.

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Microsoft Licensing:

Type	Software Comes With?	Purchase Licensing When?
Windows Server 2003/2008 Core Client Access License	An OEM copy of Windows Server comes with 5 connection licenses. This means that you can legally have up to 5 machines connected to your server.	When you have more than 5 machines connecting to the server. Licenses are typically sold in packs of 5.
Windows Server 2003/2008 Terminal Services Client Access License	When you setup a server running Terminal Services, there are no licenses installed. You have 90 days to install licenses before users will be unable to connect to the server.	Required for each user that you will have accessing the terminal server. Licenses are typically sold in packs of 5.
SQL Server Workgroup Licenses	You get 1 installation license and 5 connection licenses. This means that you can legally have SQL Server Workgroup installed on 1 machine and have up to 5 machines connected to your SQL server.	Required for each SQL Server connection beyond the initial 5 connections. Licenses are typically sold in packs of 5.
SQL Server Standard / Enterprise	You get 1 installation license and 0 connection license.	Required for each SQL Server connection. Licenses are typically sold in packs of 5.
Other Software	Please check with your Sales rep for more information about other Microsoft Licensing products.	



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Network Infrastructure:

Wired Network:

It is the Client's responsibility to contract for all electrical outlets, network wiring (including cables from the computers to the wall or switch), any switches and any Internet access if required. Butler Animal Health Supply's Companion™ / Triple Crown™ software requires Category 5e or higher using EIA/TIA 568B standard. Butler Animal Health Supply recommends a low voltage technician who specializes in Data/Voice wiring. If a low voltage technician is not available, you may use an electrician. All of the ends of the CAT5e+ wire need to be terminated with either an Cat 5e+ RJ45 connector or Cat 5e+RJ45 receptacle (such as keystone jack or patch panel). Please contact your Butler Animal Health Supply Technology Territory Manager for assistance with cabling installation.

Wireless Network:

Butler Animal Health Supply recommends the use of Wireless G or N routers and access points for speed and coverage. We also recommend a Wireless survey be conducted in the areas you want wireless coverage. The survey will help you to place wireless routers/access points in areas to receive optimal coverage and signal strength. Please contact your Butler Animal Health Supply Technology Territory Manager for assistance with your wireless setup.

Internet Access:

You may use any internet provider. Butler Animal Health Supply highly recommends broadband connections.