

TECHNICAL REQUIREMENTS



This document contains a list of technical requirements for the computers and peripheral devices that should be used for your Basic Software Systems' business system. These configuration requirements must be in place before a Basic Software Systems' technician will assist with the installation of your business system software.

Basic Software Systems requires scheduling for any hardware or networking installations or changes. This means that if you are planning to implement any additions or changes to your existing hardware setup, you must call to pre-schedule assistance. Scheduling assistance for hardware or networking changes in advance will ensure that a Basic Software Systems' technician will be available should you or your local technician need immediate attention during this process.

Please notify Basic Software Systems with any questions concerning networking or hardware specified in this document. We must work together in order to provide a reliable computer network solution for your business system. Check with your local hardware supplier for recommended configurations for your number of workstations. The following should be used as a minimum recommendation.

OPERATING SYSTEM

Windows XP Professional, Vista Business, Vista Ultimate, Windows 7 Professional or Windows 7 Ultimate is to be installed on all computers that will be connected to your business system server. An evaluation should be completed with your local technician to determine your business system server needs. The end results will be based on the number of workstation connections you will have to your server.

- Make sure all of your current applications and peripheral devices will function properly as well as verify that the components selected are fully compatible with any operating system you select. Not all software applications and peripheral devices are supported by all editions of Windows operating systems (i.e. manufacturer catalogs, ordering, printers, etc.)
- Prior to installing Basic Software Systems' Business Management System, verify that all computers are updated with all necessary Windows software updates.

BUSINESS SYSTEM SERVER

Evaluate your server needs carefully considering your company's future needs for additional workstations. It is always best to have a dedicated server. However, this is not required if there is minimal activity on the session working on the server and this meets with your local technician's approval.

Note: Basic Software Systems will successfully run using Microsoft Terminal Services and Remote Desktop Connection. Whether you are a single or multiple- location dealer, this option is possibly for you. We encourage you to review with your location technician this possibility as it does make a difference in the selection of your business system server configuration. Please use the Server recommendations listed under multiple locations if connection to the server using Terminal Services is planned.

SERVER – Single Location

Windows Server 2008 (Foundation, Standard, Datacenter or Enterprise)
Windows Server 2003 (Standard or Enterprise)
Windows Small Business Server 2003 or 2008

Existing

A minimum of an Intel® Pentium® Dual-Core processor
A minimum of 2GB of Ram (memory)
A minimum 120GB Hard Drive
CD-ROM Drive

New

A minimum of (2) Intel® Xeon® Quad-Core processors
A minimum of 4GB of Ram (memory)
A minimum 250GB Hard Drive
Consider a RAID configuration with a second hard drive
DVD Writer

Note: If you will have less than 8 workstations and are a single location company, you may evaluate with your local technician the availability to use a Windows XP Professional or Windows 7 Professional computer as your server. Otherwise, you will need to select a Windows Server edition for the business system server that best meets your company's needs.

SERVER – Multiple Locations

Windows Server 2008 (Standard, Datacenter or Enterprise)
Windows Server 2003 (Standard, Datacenter or Enterprise)

New

A minimum of (2) Intel® Xeon® Quad-Core processors
A minimum of 8GB of Ram (memory)
A minimum (2) 500GB hard drives
A minimum RAID 1 Configuration
DVD Writer
Terminal Services Configuration Required

Note: Additional Terminal Services CAL Licenses are necessary for each remote connection to the server. Increase Ram as needed based on the number of remote connections planned as well as determined by the configuration/combination of data server and terminal servers necessary to support connections desired. Remote PCs will need to use Remote Desktop Connection to connect to the new server after they have a secure connection.

Make sure all of your current applications will function properly as well as verify that the components selected are fully compatible while running in a Terminal Service environment.

PC WORKSTATIONS

Existing

A minimum of an Intel® Pentium® Dual-Core processor
A minimum of 2GB of Ram (memory)
A minimum 120GB Hard Drive
CD-ROM Drive

New

A minimum of an Intel® Core i3 processor
A minimum of 2GB of Ram (memory)
A minimum 250GB Hard Drive
DVD Drive

Miscellaneous PC Information

- Intel based systems are highly recommended. Basic Software Systems cannot guarantee what the results might be when running our business system on processors other than Intel.
- Consider speakers or headsets so employees can listen to training videos.
- 256K Cache or higher is recommended.
- A 64MB video card is recommended as minimum.
- 10/100 or 10/100/1000 Ethernet card is required to be installed in each computer on your network.

BACKUPS

- Backups using external media must be used for each day of the week. One per working day and one monthly. Suggested total is seven.
- Plan to rotate your media daily for your backups. It is suggested that the backups be taken offsite and one monthly backup stay offsite.
- At this time we do not recommend you to use online backups solely as these normally only backup what has changed and will not give you a complete backup of your business system.
- Work with your local technician to ensure you have an automated scheduled backup that will happen for you each night.
- Acceptable Media Types: Tape, USB Jump Drives, External Hard Drives

HIGH SPEED INTERNET CONNECTIVITY REQUIRED

- High speed internet connectivity must be available. This allows Basic Software Systems to assist you with support issues as well as provide valuable manufacturer price books and software update services.

BACKUP POWER SUPPLY

- It is your company's responsibility to maintain adequate backup power and surge protection for all hardware devices used for your business system.

PRINTERS

- Basic Software Systems strongly suggests the use of laser printers for all your business system printing needs. We recommend HP LaserJet Printers when purchasing new laser printers. If a laser printer will be used with preprinted forms, we recommend contacting our support team for assistance with printing a test of the laser form prior to ordering your forms.
- It is also recommended you disable the Windows auto feature that allows a search for network printers.

POINT-OF-SALE DEVICES

This business system is designed to use specific Point-of-Sale devices. If you plan to use Point-of-Sale devices, it is important that you purchase the exact models listed. To ensure proper configurations, it is recommended that these devices be purchased from Basic Software Systems. If purchased elsewhere, installation assistance fees will be applicable.

- Bar Code Printer
 - Cognitive 2.4 Blaster Advantage LX TT Bar Code Printer - LBT24-2043-012
- Receipt Printer
 - Star Receipt Printer (TSP643C-24)/Star Power Supply - PS-60-24A
 - SNBC Receipt Printer - BTP-2002NP
- Cash Drawer
 - M-S Cash Drawer with Star Receipt Printer Interface - EP-125K
 - M-S Cash Drawer with Star Receipt Printer Interface - EP-127NK-B w/cable CD9-EPSON-NCMS
- Data Collector
 - Phaser P360 Memory Scanner (Data Collector) - p360-4MEG
- Bar Code Scanner - Corded
 - Bar Code Scanners Require Keyboard Wedge/PS2 9' Cable - 42206132-02 IT3800
 - Quickscan Scanner PS2 or USB Cable - QS6500
 - Metrologic MS9590 VoyagerGS Scanner USB - MK9590-61A38-A
- Bar Code Scanner - Cordless
 - Quickscan Cordless Scanner, Base, Power Supply, PS2 or USB Cable - QS6500BT
 - Gryphon BT Cordless Scanner, Base, Power Supply, USB - DL-901691004
 - Metrologic MS1633 Metrologic MS1633 FocusBT Cordless Scanner, Base, Power Supply, USB - MK1633-61B40

NETWORK CONFIGURATION

- We recommend that all printers and drives initially be set as shareable with full access for other computers on the network.
- It is suggested that each computer and printer share should have a name no greater than ten characters keeping the format alpha-numeric.
- TCP/IP is the protocol needed for your network with NetBIOS enabled over TCP/IP.

CABLING

- Manufacturer-certified Category 5 or 6 twisted pair networking cabling is required. Local building codes should be followed to insure safety for your company.

WINDOWS SETTINGS

Remember this is a business system computer.

- Verify that the system date and time are correct and consistent with all computers. Basic Software Systems will use this date and time.
- It is recommended the background of your desktop screens be simple.
- It is recommended you use simple screen savers.
- It is recommended that all Power Saving Features be turned to "Never" to avoid slow response from computers on the network.
- It is recommended you avoid any application use that would constantly stream the internet with programs such as internet radio, weather, Webshots, etc.

ANTI-VIRUS SOFTWARE

- Keep in mind that it is very important to utilize anti-virus software on your computers. However, if your system seems to be running slow or experiencing network errors, streamlining the anti-virus software may be necessary to keep your system running efficiently. Disable any features that scan network drives. Contact our Support Team for a list of folders to exclude if further streamlining is necessary.
- If the anti-virus software installed does not also do registry and spyware review, ensure periodic scans are completed to remove and cleanup this area is followed to maintain optimization.

LOCAL TECHNICIAN RESPONSIBILITIES

- Your local technician must provide Basic Software Systems with a copy of the proposed server solution for preliminary technical review prior to your final purchase.
- Your local technician must speak to a Basic Software Systems' designated technical advisor prior to completion of the sale and prior to implementation of your new business system.
- Your local technician must have the entire network in place and functioning with each computer configured as required herein, drives mapped properly to the server, printers installed in Windows, etc., prior to installation of Basic Software Systems' business system.
- Your local technician must follow the guidelines for networking and configuration in order to maintain a proper networking environment for the Basic Software Systems' business system. If your local technician has other recommendations for network configurations, please have them contact us for further evaluation prior to implementation. If we feel the suggestions are not acceptable or that the implementation procedures may cause a problem, it will be necessary that they be changed to our recommendations.