



Flagship Fleet Management, LLC.

System Requirements

The system requirements detailed in this document acknowledges currently marketed hardware. These recommendations are to be used as a general guideline for configuration. It is best to contact Flagship Fleet Management, LLC if you have any questions regarding existing hardware and networking capabilities. This document is intended as a general overview of system requirements for a full client/server installation. For enhancement solutions skip server recommendations.

Flagship solutions are true Client/Server. Performance is dependent on network configuration, which consists of network components such as servers, cabling, hubs, and clients. Networks configured for simple file and printer sharing are often inadequate for true Client/Server applications. ***If you have questions about your current configuration contact Flagship Fleet Management.***

Recommended Configurations

Recommendations are based on number of users and assume the Flagship Database Server is installed on a dedicated server with no other applications. You may require greater capacities and/or speeds based on transaction volume. Meeting all requirements is suggested. If certain configuration settings can not be meet the system will still function. It is a matter of how much performance/protection you are willing to sacrifice. Contact Flagship Fleet Management, LLC to discuss requirements that may be in question.

Server Consideration

Focus your budget on your server! It is suggested the database and transaction log data files be stored on separate SCSI disks with full RAID protection. This will provide the best possible performance and data protection. This is also an expensive server configuration. Flagship will run on a less beefy configuration, however, performance and data protection will wane. Before buying a box contact Flagship Fleet Management and we will provide you the best configuration for your budget.

Recommendations for a Site of 5 Users or Less

| Server | Workstation(s) |
|--|---|
| Windows 2003 Server (Standard) or Windows Server 2000 installed as a Member Server (Domain Controller is OK) <ul style="list-style-type: none"> · SVGA Monitor (800x600 or greater) · DVD-ROM or CD-ROM Drive · Intel™ Pentium Processor (1 GHz or greater) · 1 GB RAM or greater · SCSI Hard Drive(s) · SCSI Controller Card · 1 GB Network Card · TCP/IP Networking · Backup System (Tape backup system with supporting software is highly recommended) | Windows 2000, XP Workstation Professional <ul style="list-style-type: none"> · SVGA Monitor (1024x768 or greater) · DVD-ROM or CD-ROM Drive · Intel™ Pentium Processor (1 GHz or greater) · 256 MB RAM or greater · IDE Hard Drive · IDE Controller Card · 1 GB Network Card · TCP/IP Networking · Fax Card or Server Capability · Microsoft Outlook or Outlook Express email client. |
| Physical Disk Disk System Logical Drives Description 2.5 GB Database & Transaction Logs | Physical Disk Disk System Logical Drives Description 50 MB Client Installation |





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System Requirements

Recommendations for a Site of 6 to 25 Users

| Server | Workstations |
|---|---|
| <p>Windows 2003 Server (Standard) or Windows Server 2000 installed as a Member Server (Domain Controller is OK)</p> <ul style="list-style-type: none"> · SVGA Monitor (800x600 or greater) · DVD-ROM or CD-ROM Drive · Intel™ Pentium Processor (1 GHz or greater) · 1 GB RAM or greater · SCSI Hard Drive(s) · SCSI Controller Card · 1 GB Network Card · TCP/IP Networking · Backup System (Tape backup system with supporting software is highly recommended) <p>Physical Disk Disk System Logical Drives Description 5 GB MB Database & Transaction Logs</p> | <p>Windows 2000, XP Workstation Professional</p> <ul style="list-style-type: none"> · SVGA Monitor (1024x768 or greater) · DVD-ROM or CD-ROM Drive · Intel™ Pentium Processor (1 GHz or greater) · 256 MB RAM or greater · IDE Hard Drive · IDE RAID Controller Card · 1 GB Network Card · TCP/IP Networking · Fax Card or Server Capability · Microsoft Outlook or Outlook Express email client. <p>Physical Disk Disk System Logical Drives Description 50 MB Client Installation</p> |

Recommendations for a Site of 25 Users or more

| Server | Workstations |
|---|--|
| <p>Windows 2003 Server (Standard) or Windows Server 2000 installed as a Member Server (Domain Controller not recommended)</p> <ul style="list-style-type: none"> · SVGA Monitor (800x600 or greater) · DVD-ROM or CD-ROM Drive · Intel Xeon® Processor (2 GHz or greater) · 2 GB RAM or greater · SCSI Hard Drive(s) · SCSI RAID Controller Card (RAID 5 suggested) · 1G Network Card · TCP/IP Networking · Backup System (Tape backup system with supporting software is highly recommended) <p>Physical Disk Disk System Logical Drives Description 10 GB MB Database & Transaction Logs</p> | <p>Windows 2000, XP Workstation Professional</p> <ul style="list-style-type: none"> · SVGA Monitor (1024x768 or greater) · DVD-ROM or CD-ROM Drive · Intel™ Pentium Processor (1 GHz or greater) · 256 MB RAM or greater · IDE Hard Drive · IDE Controller Card · 1 GB Network Card · TCP/IP Networking · Fax Card or Server Capability · Microsoft Outlook or Outlook Express email client. <p>Physical Disk Disk System Logical Drives Description 50 MB Client Installation</p> |





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Other Network Considerations

Network Security

Flagship applications take full advantage of Microsoft SQL Server™ security features; however, protecting your database from unauthorized access requires a secure network. This includes a properly installed and configured firewall, application of Windows Service Packs, Hot Fixes, user passwords and access policies and periodic review of security log files.

Note: Specific firewall configuration requirements are needed to accommodate Electronic Data Interchange (EDI).

Installation of Microsoft SQL Server™ Updates

Flagship relies on the integrity and security of the Microsoft SQL Server™ database. Your data is of paramount importance. FLAGSHIP Software, LLC is a member of the Microsoft SQL Server™ Partner community and is a registered licensee of many Microsoft SQL Server™ products. We are in constant communication with Microsoft™ developer network about various issues of product development and security.

Microsoft SQL Server™ periodically releases security updates and patches. It is important that we understand the impact of these security patches and can verify that your Flagship application operates correctly. Do not attempt to load security patches without making sure it is approved by Flagship Fleet Management.

Memory Requirements

Flagship requires adequate RAM in the Server and Client. Do not rely on virtual memory as performance can be decreased. Additional memory may be required as the number of users and size of the Flagship database increases.

Network Requirements

- 100 MB network infrastructure (1GB Recommended)
- TCP/IP must be installed and properly configured. (Fixed IP numbers are not required or suggested.)

Network Optimization

Flagship uses a TCP/IP network protocol. You may reconfigure your network as the number of network users and network applications increases. Typical steps include configuration of sub-networks, faster network components, or network switching.





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System Requirements

Printing

Flagship offers laser and continuous forms for most documents. You can choose stock or custom preprinted forms. Company name and address is blank on stock preprinted forms, it is printed with the form. Custom preprinted forms include your company name, address, logo, etc. are preprinted. Laser checks offer single sheets with dual stubs for an office copy or dual sheets with the second copy a nonnegotiable office copy.

Laser printers are recommended for print quality, however, not required. A continuous form impact printer (dot matrix) is required to print preprinted continuous form documents. Okidata™ impact printers are recommended. Okidata™ printers require the printer emulation matches the printer driver, the perforation is set correctly, and that the top and bottom margins are zero in the Windows printer setup. Technical support is available to troubleshoot problems with printers as a billable service.

Pallet and Bin Tags

Flagship typically uses thermal transfer printers for inventory tags. Tag formats are custom provided by Flagship Fleet Management.

Customization

Flagship Custom Development Services can create custom documents, or you may customize your own reporting with any application that is Microsoft SQL Server™ compliant. Customization includes but is not limited to logos and other graphics, custom report formats, auxiliary forms, special stationery and continuous forms.

