

LIBERTY HARDWARE REQUIREMENTS

The following are the hardware requirements for Liberty

Please note that these recommendations are a guide-line only. Hardware of a higher specification will receive better performance. It should also be noted that Windows 95, Windows 98, Windows NT 4.0 Workstation and Windows ME are **NOT** recommended operating systems.

Liberty is web-based, so the technical requirements for clients are very reasonable. The server requirements are a little higher, but still well within the budget of most libraries.

Server Machine (used for Data Storage and Serving the Clients)

Component	Minimum Specification	Recommended Specification**
Processor	Intel® Core2 Duo	Quad-Core Intel® Xeon® Processor
Total Memory	2 GB	4 GB
Operating System	Windows Server 2000 SP4	Windows Server 2003 R2 / 2008
Hard Drive Type	SCSI	SAS
Disk Space	1 GB	5 GB**
SQL Server	MS SQL Server 2005 Std. Edition	MS SQL Server 2005 Std. Edition
E-Mail Interface	SMTP	SMTP
E-Mail Support	SMTP or POP3	SMTP or POP3
RAID		RAID Level 5
Antivirus & Firewall	A effective antivirus/antispysware is recommended to be installed on server and client machines to protect them from virus attacks. Alongwith, the antivirus a firewall (Software or Hardware) is recommended to be installed on Server to protect it from outside hacks.	

- *You should also make provision for an increasing number of electronic documents. There are many more Journals and other publications that are now being published electronically.
- **Depending on your configuration you may choose to implement an additional server machine to separate the application server from the database server.
- The SMTP server does not need to be on the same machine; Liberty simply needs access to a SMTP server to send emails.

Client Machines: (used for Cataloguing ,Circulation, OPAC etc.)

Component	Minimum Specification	Recommended Specification
Processor	Intel P IV Processor 2.53 Ghz	Intel Core2 Duo Processor
Total Memory	512 MB	1GB (for circulation desk computers RAM should be 2 GB)
Operating System	Windows XP Professional SP3	Windows XP Professional SP3
Hard Drive Type	IDE	SATA
Disk Space	200 MB for staff, 20 MB for OPAC users	

Software for Client Machines

Web Browser	Internet Explorer 7 or later
Java Virtual Machine	Sun JVM 1.5+(Liberty Client Files - includes Sun Java Runtime Environment 1.5, only required on staff computers that will use Offline Circulation Desk (provided with Liberty CD)

Note: Other web browsers may operate with Liberty; however, Softlink develop and certify our software only with *Microsoft Internet Explorer* on a PC and *Safari* on a Mac.

Additional Considerations when Selecting Operating Systems

Networking:

We currently recommend the following network software:

1. Windows 2003
2. Windows 2000
3. Windows XP Professional Peer to Peer

It is possible to run Liberty on other types of network, but we recommend the above as we have many clients running Liberty successfully on these network types. The minimum Network Speed should be 100 Mbps for Liberty to run smoothly on workstations. If you have any further queries on network issues, please contact Softlink Support who will be able to advise you further.

General Setup

CD-ROM Drives:

It is strongly recommended that you have access to a CD-ROM drive available via your network, as Softlink now provides upgrades/installations on CD-ROM only.

Printer:

In order to maximize Liberty features, we recommend you have a printer installed. You simply need to set up a printer in Windows, as Liberty will use the default Windows Printer. You must ensure the printer is compatible with the Windows operating system you are using.

Barcode Scanner:

Libraries who wish to use Barcode Technology for fast and accurate retrieval of data should have a compatible Barcode Scanner which is able to scan Barcodes.

Flatbed/Image Scanner:

If the user wishes to use the Multimedia features of Liberty whereby they can attach Images to Resources and Periodical Issues, then they can use any Flatbed/ADF/Book Scanner according to their requirement. The Scanner should be compatible with the Windows Operating used by you.

UPS

Server and Workstations should have at least a 1 KVA UPS to provide power backup incase of power failure.

Internet:

It is possible to catalogue Web sites and then access these via Inquiry. If you wish to use this functionality, then Windows must have a default web browser set up, which can access the Internet, this is normally Internet Explorer. Liberty will then spawn this browser and pass to it, the URL of the site you have catalogued.

TECHNICAL SUPPORT REQUIREMENTS

Facility	Requirement
Communications	It is important to have a phone next to the library machine, as well as access to e-mail. Access to a fax machine would be desirable.