

G4/G3 Genesis Library Automation
877-700-5767



General Hardware System Requirements

G4/G3 Genesis

Explanation & Recommendations

Equipment and Operating System minimal requirements for Hosted LRMS services and locally based server networks.

General Hardware Information:

Large local server installations require more thought and usually some customization and discussion regarding library management, common database, unions; please contact LRMS to request a questionnaire for creating a proposal.

Any library not meeting the following listed specifications should contact LRMS to discuss your configuration with our technical staff.

Use this information to generally determine your computer systems compatibility; LRMS will always be pleased to create a detail analysis of your library and provide its recommendations to assure successful implementation.

Minimal Internal Networking Environment

G4 & G3 requirements

- Computer workstations having the same operating system must be equally updated to the same standard and to the latest software manufacturer release standards.
- The protocol between the administration Workstation and any local server based system is TCP/IP.
- Any locally Network Server OS is to be a Windows 2003, Windows 2012 or better.
- Large local server installations serving multiple sites are to have SQL 2005 or better on any Windows 2003 server or better. Smaller server installations will receive (provided by LRMS) SQL 2005 Express Edition.
- While it is not necessary for the entire network to run TCP/IP, all workstations accessing the G4 & G3 program, WebOPAC2 or OPAC Library Catalog must use TCP/IP and MS Internet Explorer 7.0 browser or better
- Other Internet browsers can be used as a default browser provided MS Internet Explorer 7.0+ or better is present on these workstations, as G4 & G3 requires and utilizes MS Explorer components.

WORKSTATION:

LRMS Hosted Service – On-line Circulation or Administrative Workstation Environment

- Minimum 1GB of RAM, 2-3 GB preferred
- Administrative workstations can be PC or Macintosh based systems.
- Windows compatibility; Windows XP Pro, Windows Vista, Windows 7 Professional, Windows 8.1, Windows 10
- Mac O/S 10.4 or better.
- Workstations must be current and updated to Microsoft latest service pack releases.
- RDP (Remote Desktop Protocol) usually a standard item with Windows compatibility; Windows XP Pro, Windows Vista, Windows 7 Professional, Windows 8.1, Windows 10
- and MAC 10.4 or better.
- Recommend 17" monitor or larger.
- Wireless connection: Tablet computers and Smart Phone access for administrative access requires a RDC connection which is available from the App Store as a free interface.

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- Self-Service Kiosk for Circulation: G4 allows for any computer or Smart Device to utilize Self-Circulation options

LIBRARY CATALOG ACCESS:

All OPAC/ Library Catalog Workstation Environment

- Web-based OPAC - All Computer workstations, Smart Devices, Tablets, and Smart Phones accessing the Library Catalog (OPAC) can be any Windows or Mac, Android, Apple OS operating system and Smart Devices using a standard Web Browser.
- There are no license restrictions for the number of computer systems that can access the Library Catalog.
- LRMS Hosted libraries automatically receive a Custom On-line Library Catalog presence that is accessible from any computer that has access to the Internet from anywhere in the world.

LOCAL SERVER: (Minimal Specifications)

Local Large server Network Server installations serving a group of libraries require detail information and a site survey before any proposal can be created.

Local Small Network Server

- Any processor from Intel or AMD
- 2 GB Ram Minimum (Recommended 4GB Ram\server)
- 500GB Hard drive
- Reliable SQL compatible backup device or LRMS Remote Backup Service Option.
- Windows 2003 w/ SQL 2005 Express or better
- Latest Up-to-date Microsoft Service Pack
- TCP/IP Protocol
- Minimum of one static IP-Address for this server running at no less than 100MBps
- IIS Services is to be setup and fully operational in order for installation and operation of the Library Catalog (OPAC)

Local Network Client - Windows Workstation for G4 & G3 Locally hosted on Customer server Environment

- Minimum 2GB of RAM
- Administrative workstations accessing G4 & G3 and OPAC will be required to have TCP/IP protocol with a minimum of MS Explorer 6.5 + web browser or better
- Windows compatibility; Windows XP Pro, Windows Vista, Windows 7 Professional, Windows 8.1, Windows 10.
- Recommend 17" monitor or larger.
- Workstations must be maintained and updated to Microsoft latest service pack releases.

PRINTER:

Printer Environment

- G4 & G3 will utilize most any local or network based Color or Monochrome LaserJet printer or All-in-one LaserJet printers that emulate Hewlett Packard printer standards for Report, Barcode Label and Photo ID Card printing.
- G4 & G3 will also produce Circulation Receipts through any standard Receipt printer, LaserJet, or DeskJet printer.
- Barcode Label printing requires LaserJet performance to create the best scannable bar code label results and life of the printed label.
- LRMS Hosted Service customers will receive Print2RDP BlackIce Printer drivers to assure full compatibility for printing.

BAR CODE SCANNERS:

Bar code Scanner

- All Standard wireless BT or wired Brand Laser, CCD and Pencil style scanners, also RFID.
- Most Portable Data Collector Barcode Scanners can be used for performing a Physical Inventory.

Special Note:

Staff Credentials

- Staff System Logon credentials will require modification to allow for optimal usage and control of their Administrative and Circulation workstation environment.