

HemaTrax® System Requirements for Customers



HemaTrax® “SITE” Definition

The definition of a HemaTrax® site is an entity with either an assigned ICCBBA (International Council for Commonality for Blood Banking Automation) registered Facility Identification Number (FIN) OR an address/location where blood or blood products are modified and labeled using an on-demand, ISBT 128 HemaTrax® system. An additional HemaTrax® license will be required for each site that is further than a ¼ mile away from the HemaTrax server.

Hardware/Software Requirements

The table below lists hardware requirements to support HemaTrax® software.

Hardware/Software Component	Description
Single or Multi-core CPU	A broad range of 32 to 64 bit CPUs manufactured by either AMD and Intel satisfy the computer processor requirements.
A minimum of 4GB (Gigabytes) RAM	Memory requirement for both HemaTrax print server and the standalone system.
Standard Computer Disk Drive Capacity	Initial system disk space requirement is 150 MB (megabytes) but will increase as log files and data tables are automatically updated.
CD, DVD Drive or download capability	HemaTrax software can be uploaded using either a CD or DVD or can be downloaded from download.digi-trax.com (via LSS)
Networking	The hosting Windows computer and supporting printers must be network ready
Ink jet or Laser Printer-reporting functions	Reports produced by the HemaTrax software are configured to print on an Ink jet or laser printer with a minimum of 300 dpi resolution
300dpi Thermal/ Direct Thermal Label Printer	Digi-Trax Enhanced Zebra or SATO printer with proprietary Blood Bank ABO-Rh firmware installed on it.
Printer—RS232 Serial connection	Must use a RS-232 full null modem cable and host computer must have at least one RS-232 serial port. If the host computer only has a USB port available, then a USB to RS-232 adaptor cable is needed in conjunction with an RS-232 serial cable.
64 serial/Ethernet print server capacity	Each HemaTrax print server is capable of supporting up to 64 Ethernet-ready (and Digi-Trax enhanced) blood back printers from one server. Each server can host as many simultaneous TCP/IP client connections.
Microsoft Windows OS (32/64 bit)	Windows 11, Windows 10, Windows Server 2016 or Windows Server 2019.
Drivers	HemaTrax supported printers do not require external Windows drivers.

Note: If the hosting computer or LAN has an active Antivirus, Firewall, or any other network management software, make exclusions to the TCP port “5500” (or one preferred to use) and LPD port 515 that HemaTrax will use for inbound/outbound communication with a LIS and with a network-connected HemaTrax-supported Blood Bank printer(s).