



MediMizer X3 System Requirements

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MediMizer X3 System Requirements

MediMizer Standalone Workstation Requirements

MediMizer X3 is a Microsoft .NET 2.0 Windows Form thick client application. It may be run with both the client and database server on the same workstation for single-user operation or demonstration systems. In a standalone install, all components can be on a single workstation – no servers are required.

- Processor: 32-bit Pentium 500 MHz or faster.
- Windows XP SP2/SP3 (32 bit) or Windows 2000 SP4
- Memory: 2 GB RAM
- Free Disk Space on C drive: 4 GB
- Video card: 2 MB, 1024x760 resolution, 16 bit color minimum
- Video display DPI must be set at **96 DPI – not higher**
- Microsoft Internet Explorer 6, 7 or 8 installed in order to display HTML help and web pages (Internet access not required for help). HTML help uses ActiveX plug-in.
- Internet access required to send e-mail, view web links, send messages to pagers
- Local administrative rights.
- Local hard disk write caching disabled
- Windows-compatible printer, locally or on network
- Serial port or USB port (varies with device) for Palm, Pocket PC, or medTester interface
- Access SMTP server for emailing reports (optional)
- Microsoft SQL Server Desktop Engine 2000 (MSDE) for database (included). May not use SQL Server database over the network.
- Adobe Reader 3 or later
- Microsoft Word 97 and/or Excel 97 or newer must be installed on workstation in order to export to these formats.
- May be used on Windows XP Tablet PCs or laptops with wireless networks
- We recommend keeping all workstations updated with the latest Windows and security software updates

Windows 98, Windows NT 4.0, Novell NetWare, and Windows ME operating systems are no longer supported. , Windows Vista and Windows 7 will be supported in a future version.



MediMizer X3 System Requirements

Server Requirements

For multi-user configurations, shared files and the database are housed on servers.

File Server (for Network Shared Folder)

A central file server contains files needed by all clients of MediMizer, including reports, linked documents, and a client installer program. A shared folder is used by all clients to access shared data. A single file server is needed for the system. Mapped drives are supported but no longer required with version 13.2.23 and above.

- Processor: Pentium 800 MHz or faster. 2 GHz recommended.
- Memory: 2 GB RAM
- Free Disk Space: 2 GB.
- Network Card: 32 bit, 100 Mbps bandwidth
- Switch: 100 Mbps
- Network drive disk write caching DISABLED
- Hub: None recommended, Non-cascading acceptable (10 Mbps 5 port or 100 Mbps 24 port)
- Dedicated Bandwidth: 10-20 Mbps per client
- Windows Server 2003 SP1, Windows 2000 SP4, or Windows XP SP2/SP3
- No longer supported: Windows 98, Windows NT 4.0, Novell NetWare, and Windows ME
- Windows Vista, Windows 2008, and Windows 7 will be supported in a future version.
- May be on a virtual server, such as VMware
- We recommend keeping all servers updated with the latest Windows and security software updates



MediMizer X3 System Requirements

MSDE Database Server

For systems with up to five (5) concurrent users, Microsoft SQL Server Desktop Edition (MSDE) can be used for the database and operate on a small server or workstation. MSDE may be installed on one of the client workstation and shared with other users. Larger systems will use a full SQL Server Database Server instead.

- MSDE (provided by TISCOR)
- No client licensing required
- Windows Server 2003 SP1, Windows 2000 SP4, Windows XP SP2/SP3, or Windows Server 2003 (32 bit)
- Processor: 32-bit Pentium 1.5 GHz or faster.
- Memory: 2 GB RAM
- Network Card: 32 bit, 100 Mbps bandwidth
- Free Disk Space on C drive: 5 GB.
- All users must have local admin rights on either domain or database workstation in order to access databases OR users must be granted DB_OWNER rights to the MediMizer database
- May be a virtual server, such as VMware
- We recommend keeping all servers updated with the latest Windows and security software updates



MediMizer X3 System Requirements

SQL Server Database Server

For systems with more than five concurrent users, a Microsoft SQL Server 2000 or 2005 should be used. TISCOR does not include or sell SQL Server. TISCOR does provide a free copy of Microsoft SQL Server Desktop Edition (MSDE), a limited version of SQL Server for 1-5 users. Also compatible with Microsoft SQL Express.

- Microsoft SQL Server 2000, 2005 or 2008 database server (including MSDE or SQL Express 2005) (licensed from Microsoft).
- 2 SQL Server client access licenses (CALs) per user (one for program; one for reports)
- Windows Server 2003 SP1, Windows 2000 SP4, Windows XP SP2/SP3, or Windows Server 2003 (32 bit)
- Processor: 32-bit Pentium 1.5 GHz or faster.
- Memory: 4 GB RAM
- Network Card: 32 bit, 100 Mbps bandwidth
- Free Disk Space on default database drive: 10 GB. 2 or more physical drives recommended.
- Free Disk Space on drive with Windows/SQL Server temporary folder: 2 GB
- SQL Server 2000 Enterprise Manager or SQL Server 2005 Management Studio installed
- System administrator rights required to install or migrate databases.
- DB_Owner rights to MediMizer databases
- Can run on virtual servers, too (but not required)
- Can share database server with other applications
- We recommend using the SQL_Latin1_General_CP1_CI_AS collating sequence on your database server. Our sample databases require that collating sequence. If you use a different collating sequence, you will need to run our Data Migration Tool to get your database converted for your database server.
- Database names used with MediMizer must consist of letters, digits, or underscores (no spaces or other punctuation).
- Windows 98, Windows NT 4.0, Novell NetWare, and Windows ME operating systems are no longer supported.
- Windows 2008 and Windows 7 will be supported in a future version.
- May be a virtual server, such as VMware
- We recommend keeping all servers updated with the latest Windows, SQL Server and security software updates



MediMizer X3 System Requirements

Citrix or Windows Terminal Server

TISCOR does not certify MediMizer under Citrix or Windows Terminal Server; however, many TISCOR customers have successfully implemented MediMizer in a WAN environment using the Citrix server. By noting that MediMizer can work on a Citrix MetaFrame Server, TISCOR is not endorsing a product implementation or configuration. Note that Microsoft ActiveSync required for Pocket PC interface is not compatible with Citrix or Windows Terminal Server.

All requirements of FILE SERVER plus the following:

- Available Memory: 2 GB RAM or more per user
- Multi-core processor



MediMizer X3 System Requirements

Client Requirements

MediMizer Thick Client Workstation

MediMizer is a Microsoft .NET 2.0 Windows Form thick client application. Each user will need the client application installed on his/her workstation. MediMizer is licensed by the maximum number of concurrent users. There is no limit to the number of workstations where it may be installed.

- Processor: 32-bit Pentium 500 MHz or faster.
- Windows 2000 SP4 or Windows XP SP2/SP3 (32 bit) *
- Memory: 2 GB RAM minimum
- Free Disk Space on C drive: 2 GB
- Video card: 2 MB, 1024x760 resolution, 16 bit color or better.
- Video display DPI must be set at **96 DPI – not higher**
- Network Card: 32 bit, 100 Mbps bandwidth
- Microsoft Internet Explorer 6, 7 or 8 installed to display HTML help and web pages (Internet access not required for help). HTML help uses ActiveX plug-in.
- Internet access required to send e-mail, view web links or send messages to pagers
- Dedicated Bandwidth: 10-20 Mbps per client
- Local administrative rights on workstation.
- Local hard disk write caching disabled
- Serial port or USB port (varies with device) for Palm, Pocket PC, or medTester interface
- Windows-compatible printer, locally or on network
- Access SMTP server for emailing reports (optional)
- Adobe Reader 3 or later
- Microsoft Word 97 and/or Excel 97 or newer must be installed on workstation in order to export to these formats.
- May be used on Windows XP Tablet PCs or laptops with wireless networks
- We recommend keeping all workstations updated with the latest Windows and security software updates

Windows 98, Windows NT 4.0, Novell NetWare, and Windows ME operating systems are no longer supported. , Windows Vista and Windows 7 will be supported in a future version.



MediMizer X3 System Requirements

Crystal Reports Designer Workstation

Crystal Reports Designer is licensed by named user. A licensed copy of Crystal Reports will be needed for each user who wants to design custom reports with Crystal Reports Designer. MediMizer includes one license to Crystal Reports Designer. Additional licenses may be purchased from TISCOR, through Business Objects (the maker of Crystal Reports), or other authorized Crystal Reports reseller.

Crystal Reports Designer may be installed on same workstation with the MediMizer Thick Client or separately.

Note that we only support design of reports with Crystal Reports XI R2 (that is, Version 11.5 or above); Crystal Reports 2008 and earlier versions of Crystal Reports (8.5, 9, or 10) are not supported and the designed reports may not work correctly when imported into MediMizer.

- Crystal Reports XI R2 Version 11.5, Professional or Developer Edition
- Processor: 32-bit Pentium 500 MHz or faster.
- Windows 2000 SP4 or Windows XP SP2/SP3 (32 bit)
- Video card: 2 MB, 1024x760 resolution, 16 bit color.
- Memory: 2 GB RAM
- Microsoft Internet Explorer 6, 7 or 8 installed to display help
- Internet access recommended for registration and updates
- Free Disk Space: 2 GB
- Local administrative rights
- Microsoft Mouse or compatible pointing device
- Windows-compatible printer, locally or on network
- Adobe Reader 3 or later
- Microsoft Word 97 and/or Excel 97 or newer must be installed on workstation in order to export to these formats.
- We recommend keeping all workstations updated with the latest Windows and security software updates

Client Directory Permissions

- Must have full control permissions to MediMizer client directory and its subdirectories.
- Must have full control permissions to MediMizer file server directory and its subdirectories
- Must have full control permissions for Windows temporary directory (defined by TEMP or TMP environment variable), including file create and delete rights.
- Must have at least read permissions for Windows and Windows\System32 directories.



MediMizer X3 System Requirements

Device Requirements

Pocket PC Device Requirements

Each Pocket PC device requires licensed MobileTech application software. MobileTech software version number must match PC-side MediMizer version number.

- * Janam XM66, Symbol MC70, and Intermec CN3 are certified and work with integrated bar-code scanner. Pharos 565 and HP iPAQ 211 are certified but do not have a built-in bar code scanner. The Symbol MC50, Janam XM65, and Intermec CN2 are discontinued models but still supported. Other Pocket PCs under Windows Mobile 2003, 5, and 6 should also work without bar code scanners. Janam XM65/XM66 requires MediMizer Version 13.2.23 or above.
- * CN3 must be under Windows Mobile 6.x.
- * On devices, virtual wedge/scan wedge scanning software must be disabled.
- * USB sync cradle or cable
- * Works with most Pocket PC Windows Mobile 2003 and Windows Mobile 5.x or 6.x devices. CN3 must be under Windows Mobile 6.1.
- * 64 MB RAM minimum on device
- * ActiveSync 4.2 or 4.5 running on all workstation where PPCs synced. ActiveSync 4.5 is required when PPCs run Windows Mobile 6.x.

Palm Device Requirements

Each Palm device requires licensed MobileTech application software. Existing MobileTech licenses from earlier versions will upgrade without cost.

- * Compatible with Symbol SPT 1550, SPT 1800, and most Palm OS Version 4.x-5.x devices. The SPT 1550 and SPT 1800 are discontinued models but may be available as refurbished units. Symbol SPT 1500 and Symbol SPT 1700 are no longer supported.
- * RS-232 serial sync cradle or cable or USB for some third party Palm devices
- * Minimum of 8 MB RAM on device. 16 MB recommended.
- * Palm Desktop 4.x (including HotSync Manager) running on workstation



MediMizer X3 System Requirements

medTester Requirements

There is no software licensing requirements for medTester devices. Any number of medTesters may be used with MediMizer clients. The medTester is now supported in MediMizer X3 13.2 and above.

- * medTester 5000C (Fluke Part # 2247382) Version 5.08 or higher (check that it is 5000C and version when medTester is turned on)
- * Fluke medTester 5000C/B CMMS Connectivity Bundle
 - * **“Module 10” CMMS interface (2245212)**
 - * RS232/Printer interface (2245136)
 - * 100-record storage (2245149)
 - * Expanded record storage (2245151)
 - * data transfer (2245172)
 - * medCheck (2245185)(Check modules using UTIL → MODULES on medTester menu)
- * Requires special **null modem** RS-232C serial cable (Fluke Biomedical part no. 2200102)
- * Also communicates with USB ports using third-party adaptor: KEYSpan USA-19HS (<http://www.keyspan.com/products/usa19hs/> or at Best Buy, etc.). Use this model – not all USB-to-serial adaptors work reliably. RS-232C cable above is also needed for USB-to-medTester.
- * All build in prompts except “Notes” and “Elapsed Test Time” should be set to OFF. Prompts 9-12 can be turned on or off based on user’s preferences. (Set prompts on medTester with CUSTOM → PROMPTS).



MediMizer X3 System Requirements

***iRequestManager* Requirements**

These requirements only apply if you are using the optional iRequestManager work request module. This module will be licensed separately as a one-time charge. Any number of clients may enter requests without additional licensing. Owners of iRequestManager in earlier versions of MediMizer may upgrade their iRequestManager at no charge with the purchase of the MediMizer X3 upgrade.

MediMizer X3 supports both an interactive web-based interface that allows checking on status of requests, as well as the “legacy” approach used by MediMizer Versions 9 through 12. If you already have a legacy installation, it can be use as-is just updating the Automated Request Receiver; the clients and web form do not have to change. Many legacy iRM users will want to update to the web portal. The legacy and web portals can even be used together.

***iRequestManager* Web Server**

The iRequestManager ASP.NET application allows clients to enter and check status of work requests submitted to MediMizer through a web browser. If you are using legacy (MediMizer 12-compatible) iRequestManager, you do not need this component – although you may need a web server in order to host the web forms interface.

- Windows XP Professional SP2 or Windows Server 2003 SP1
- Microsoft Internet Information Services (IIS) web server, Version 5.1, 5.2 or 6.0
- Processor: 32-bit Pentium 500 MHz or faster.
- Memory: 2 GB RAM, 4 GB recommended
- Internet access recommended for registration and updates
- Web browser: Internet Explorer 6, 7 or 8 or Mozilla FoxFire 2 or 3
- Free Disk Space: 2 GB
- We recommend keeping all web servers updated with the latest Windows, IIS, ASP.NET, and security software updates
- May be a virtual server, such as VMware
- Windows 2008 and Windows 7 will be supported in a future version.

***iRequestManager* Web Client**

The web client allows hospital personnel to enter work requests from a web browser anywhere in the hospital without special set-up.

- Web browser: Internet Explorer 6, 7 or 8 or Mozilla Firefox 2 or 3
- We recommend keeping all workstations updated with the latest Windows and security software updates
- Access to iRequestManager Web Server on intranet or Internet
- Client-side scripting (JavaScript) enabled
- No ActiveX plug-ins or Java applets are needed.



MediMizer X3 System Requirements

MediMizer Messaging Server (MMS)

The message server is used by iRequestManager for automated emailing, paging, and printing. Needed for both Web Portal and Legacy iRequestManager configurations. It also supports the legacy work request system similar to the Automated Request Receiver (ARR) in earlier versions. MMS can now be run as a Windows service with iRequestManager 13.2.23 and above; it no longer requires a logged in user. May be on same server as database server, file server, and/or web server without a logged in user.

- Processor: 32-bit Pentium 500 MHz or faster
- Windows Server 2003 SP1, Windows XP SP2/SP3, or Windows Server 2003 (32 bit)
- Memory: 2 GB RAM
- Free Disk Space: 2 GB
- Requires a Windows account with DB_OWNER rights to MediMizer database(s) and Full Control rights to MediMizer Network Shared folder
- Windows-compatible printer(s), locally or on network
- SMTP server available to send e-mail and pages
- We recommend keeping all servers updated with the latest Windows and security software updates
- May be a virtual server, such as VMware
- Windows 2008 and Windows 7 will be supported in a future version.

Work Request Program (Legacy iRequestManager only)

The Work Request program (also known as the Request Client Program) is a Windows program used to submit and optionally print Work Orders. It can be installed on as many workstations as needed without licensing. It requires the .NET 2.0 runtime – so must be installed with our installer.

- Windows 2000 SP4 or Windows XP SP2/SP3 (32 bit) *
- Memory: 256 MB RAM minimum
- Free Disk Space on C drive: 1 GB
- Monitor resolution 800x600 or higher
- Video display DPI must be set at **96 DPI – not higher**
- Windows-compatible printer if request printing is desired, locally or on network
- If request drop box is used, must have read/write/search access to drop box folder
- If email is used to submit request, SMTP server