

Hospira Technology Philosophy

The Hospira MedNet® System has been designed to be scalable and upgradeable, and achieves these goals by focusing on the following:

- Applications written in Java and J2EE
- Microsoft® Windows® Server Operating Systems to leverage the experience of Microsoft® certified engineers currently within the hospital environment
- Microsoft® Windows® 2003 Server running Microsoft® SQL Server™ 2005
- Native web-based application designed to be integrated to medication administration/ bar code point-of-care systems and other HIS system platforms
- Off-the-shelf, readily available standards-based and cost effective technology
- Wired or wireless network connections including distinct access point (AP) and Distributed Antenna System (DAS) infrastructures
- IEEE 802.11a/b/g wireless standards

Technology Approach

Hospira MedNet® Software is based on a multi-tier client server architecture using Microsoft® technologies. It is designed to be upgradeable for multi-facility support in future releases and to scale down for smaller hospitals.

Standards:

- Microsoft® Windows® 2003 Server
- Microsoft® SQL Server 2005 Standard Edition*
- TCP/IP, HTTP, HTTPS (SSL)
- IEEE 802.11a/b/g wireless
- XML

Technology Requirements

Clients	WinXP Professional Service Pack 2 and Microsoft® Internet Explorer 7.0
Server	Hardware vendor independent (specification compliant) Microsoft® Windows® Server 2003 Service Pack 2, XML, Java, J2EE
Database	Microsoft® SQL Server™ 2005 Standard Edition* Service Pack 2
Reports	Crystal Reports Server XI Release 2 Service Pack 1
Network	Wired or wireless, TCP/IP over Ethernet, 802.11a/b/g compliant wireless network

Bar Code	Bar code support is dependent upon the BPOC system
Interface/Integration	Transactions: XML GUI: HTML client/server application (for MedNet Meds / RxRules) API: web enabled, on-demand reporting, XML/HTTP/HTTPS HL7: Orion Rhapsody integration Engine v2.4 or better (optional) Virtualization: VMware ESX v3.0 or better (optional)

Customer Purchase Requirements

Hardware and Software

Hospira MedNet[®] Software server specifications

Hardware to support 100 to 2000 Infusers	
Server (minimum configuration)	Software
Processor: Dual Intel [®] Xeon 3.0 GHz or Dual Intel Pentium 4 - 3.2 GHz or better, with 4 GB RAM (Machines with greater than 4 GB of RAM require Windows 2003 Server Enterprise)	Microsoft [®] Windows [®] Server 2003 Standard Edition Service Pack 2, (10 CALs or more)
Redundant power supply	Microsoft [®] SQL Server [™] 2005 Standard Edition* Service Pack 2
Four hard drives (73 GB 15K RPM Ultra 320 SCSI drives) or better	Crystal Reports Server XI Release 2, Service Pack 1
SCSI HBA that supports RAID 1+ 0	Acrobat 7.X Standard/Professional or Acrobat 8.X Standard or Professional
Dual 100/1000 Mbps Network Adapters – configured for "Teaming"	Microsoft [®] Internet Explorer 7.0
24X IDE internal DVD/CD ROM drive or better for installation	2007 Daylight Savings Time Windows 2003 Server Hotfixes
Backup capability (internal or external)	McAfee Virus Scan Enterprise 8.0.0
Dedicated or KVM-based shared keyboard, mouse, and monitor or equivalent	

Hospira MedNet[®] Software mini-server specifications

Hardware <100 Infusers	
Server (minimum configuration)	Software
Processor: Intel Xeon 2.4GHz, 1 processor, or better with 4 GB RAM (Machines with greater than 4 GB of RAM require Windows 2003 Server Enterprise)	Microsoft [®] Windows [®] Server 2003 Standard Edition Service Pack 2, (10 CALs or more)
Two 73 GB hard drives mirrored or better	Microsoft [®] SQL Server [™] 2005 Standard Edition* Service Pack 2

Dual 100/1000 Mbps Network Adapters – configured for "Teaming"	Crystal Reports Server XI Release 2 Service Pack 1
24X IDE internal DVD/CD ROM drive or better	Acrobat 7.X Standard/Professional or Acrobat 8.X Standard or Professional
Backup capability (internal or external)	Microsoft® Internet Explorer 7.0
Dedicated or KVM-based shared keyboard, mouse, and monitor or equivalent	2007 Daylight Savings Time Windows 2003 Server Hotfixes
	McAfee Virus Scan Enterprise 8.0.0
	Microsoft® Internet Explorer 7.0

Customer Purchase Requirements Hardware and Software *(continued)*

PC for MedNet Meds / RxRules Software

Hardware (minimum configuration)	Software
Desktop or laptop with 500 MHz processor or better	WinXP Professional with Service Pack 2
512 MB RAM or better (1GB RAM to run reports with Medication Lists of 16K or greater)	Acrobat 7.X Standard/Professional or Acrobat 8.X Standard or Professional
40 GB hard drive	
24X IDE internal DVD/CD ROM drive or better	
10/100 Mbps network adaptor or better; or 802.11a/b/g	

* Each Hospira infuser is considered a device and requires an SQL license. Contact your Microsoft reseller if you have any questions and to determine procurement options.