

A browser-based, thin-client system, Keane NetSolutions® runs on the Microsoft .NET platform using Web Forms. It can run on an intranet or over the Internet. Keane NetSolutions is loaded on servers, not PCs.

Server Hardware

Server hardware requirements depend on the size and number of facilities, number of concurrent users, and modules purchased. Organizations with a large number of sites may require multiple separate application and database servers.

A basic system starts with:

- Processor: QUAD Core Xeon (3GHz) processor
- 4 Gigabytes RAM
- 80 Gigabytes available disk space
- RAID I configuration
- VMWare is acceptable

Broadband Connection

A broadband connection is required for Keane Care to support Keane NetSolutions. Dial-up connectivity is not supported. There are two broadband options:

- 1) Remote Desktop, giving Keane Care access through your firewall (free)
- 2) Remote Desktop or PCAnywhere via Keane Care approved VPN (Cisco, Microsoft, others)

Keane Financial Management Software

Keane Financial Management software requires Progress Server and Workstation software, 32 bit only (General Accounting and Payroll must continue to be run in a 32-bit environment). Other requirements:

- Progress* Workgroup or Enterprise Database Server
- Progress* AppServer (license for end users)
- Progress* AppServer+ or Progress* Client Networking (license for profile maintenance users)

* Progress version must be 9.1E02 thru 9.1E04

In a WAN environment, Terminal Server and/or Citrix is required to run Keane Financial Management (General Ledger, Accounts Payable, Payroll, Materials Management, and Fixed Assets). In a LAN environment it runs on the same server(s) as Keane NetSolutions with no additional software or hardware needed.

CareTracker and Therapute Interface

To import data to Keane NetSolutions from third parties (except for data written directly to the MDS) the KNS Exchange Web service must be installed, preferably on a machine separate from the main KNS server. KNS Exchange is required to import vitals from CareTracker and notes from Therapute.

Server Software Requirements

- Windows Server 2003 Standard or Enterprise Edition, 32/64 bit
- Internet Information Server (IIS)
- .NET Framework 2.0, 3.5
- SQL Server 2005/2008 Standard or Enterprise

Workstation Hardware and Software

- Pentium Compatible PC, Notebook, Tablet
- 256MB minimum RAM
- Operating Systems:
 - XP Professional
 - Vista Business 32/64 bit
 - Windows 7 Professional (32/64 bit)
- Internet Explorer version 8
- Minimum monitor display of 1024 x 768
- PDF Reader Version 8 or 9 on PCs generating MDS 3.0 reports. Free download at <http://get.adobe.com/reader/>

Network

- 50kb/sec bandwidth per concurrent user

Printer Requirements

Laser printers compatible with Hewlett-Packard's Printer Command Language (PCL 5E).

For UB-04 forms, edge-to-edge capable laser printer required, such as HP 9000 or Xerox Phaser 4510 models, including 4510N.

SQL Server Licensing Options

- Per Processor: unlimited users and unlimited devices.
- Per Server Plus Device: for each device attached to SQL Server and for each server on which software is installed.
- Per Server Plus User Client Access Licenses (CALs): for each user accessing the server and a separate license for each server on which software is installed.

For more information on SQL Server licenses, visit the Microsoft Website: www.microsoft.com/sqlserver/2005/en/us/licensing.aspx

Electronic Medication Management System Specifications

The following specifications support the Keane NetSolutions electronic medication management, specifically:

- eCharting, implementing paperless, point-of-care eMAR/eTAR
- ePrescribing using auto-faxing

Wireless Network

- 802.11g/n (54mbs) or better
- Enterprise-level wireless connectivity suitable for point-of-care computing

Data Entry Devices

- Device Choices
 1. Standard laptop
 2. Integrated thin-client laptop or device, XP embedded with Internet Explorer, for example Wyse with 1 GB Flash and 512 MB RAM minimum
 - External/Integrated LCD Monitor
 - Waterproof Keyboard (wired or wireless)
 - Mouse or other pointing device (wired or wireless)
 3. All-in-one Computer Med Cart
 4. Mobile Computer Workstation
- Device Options
 1. Barcode Scanner (example: Wasp WLS9500 Laser Barcode Scanner)
 2. Waterproof or Sealed Keyboard
 3. Sealed Mouse
- System Requirements
 1. Operating System
 - Windows XP (32/64-bit)
 - Windows Vista Business (32/64-bit)
 - Windows 7 Professional
 - XPe
 2. Microsoft .NET 2.0 Framework
 3. 17"+ monitor, 1024 x 768 or better resolution

Medication Cart Options

1. Retrofit existing carts:
 - a. Mounting hardware for laptop component devices
 - b. Laptop rests directly on the cart top (not recommended)
2. Purchase new all-in-one computer med cart (example: Artromick, Rubbermaid)

Power Options for Medication Carts

Laptop and Integrated Thin Client devices have internal batteries and can be charged from any A/C power source. Power should be augmented with external battery pack mounted on the cart (example: Valence VNC-130).

- Component thin-client devices require external A/C power sources. An external battery pack may be mounted on the cart with an integrated A/C power connection.
- All-in-one carts will contain built-in large-capacity battery and power solutions

ePrescribing: Autofax Requirements

Autofaxing with KNS ePrescribing requires either:

- Esker Fax Workgroup Server 5.0 software and a fax board that meets Esker specifications
- Windows Fax Server - included with Windows Server 2003/2008. This option is suitable for lower-volume use and requires a dedicated fax modem. View a list of these modems at:

www.windowsservercatalog.com/results.aspx?&bCatID=1459&cpID=0&ocID=17&OR=1