

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.

## Single SQL Database - KNS 6.4.0 and Higher

### Server Hardware

Server hardware requirements depend on the number of facilities, size of facilities, and number of concurrent users. Organizations with a large number of facilities may require multiple and separate application and database servers. The servers should be modern. A basic system would start with:

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

### 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)

### Server Software Requirements

Windows Server 2003 Standard or Enterprise Edition, 32 or 64 bit

- Internet Information Server (IIS)
- .NET Framework 2.0
- SQL Server 2005 Standard or Enterprise
- Crystal Reports Developer Edition version 11 r2 (one per company)

### Network

- 30kb/sec bandwidth per concurrent user

### Workstation Hardware and Software

- Pentium Compatible PC, Notebook, Tablet
- 256MB minimum RAM
- XP Professional, Vista Business 32 or 64 bit
- Internet Explorer version 7
- Monitor display of 1024 x 768

## Keane NetSolutions 6.2.1

Specifications are the same for Keane NetSolutions 6.2.1 as for 6.4.0 and higher with the exceptions below and the requirement of Progress for RAM (billing/AR) and Funds (specifications shown at right).

- .NET Framework 1.1 and 2.0
- Internet Explorer version 6 or 7
- Server and Workstation software, 32 bit only

### Printer Requirements: KNS 6.2.1 and 6.4.0

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.

### Keane Analytics Recommendations

Keane Analytics specifications with Keane NetSolutions:

- Microsoft Excel
- SQL Server 2005
- 1 GHz server (1.6 GHz for 10+ facilities) running Windows 2003 enterprise
- 1 GB RAM (2 GB for 10+ facilities)
- 20 GB (60 GB for 10+ facilities) hard drive

- 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

### SQL Server Requirements

For additional hardware requirements and pricing information for the SQL Server database, visit the Microsoft Website: [www.microsoft.com](http://www.microsoft.com)

### Keane Financial Management Software

Keane Financial Management software requires Progress (see above specifications for Keane NetSolutions 6.2).

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.

The following specifications are for facilities wishing to deploy a paperless, point-of-care electronic Medication/Treatment Administration Record solution.

### Wireless Network

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

### Data Entry Devices

- Device Choices
  1. Standard Laptop (Pentium 4 with 512 megabytes ram)
  2. Integrated Thin-Client Laptop, for example Neoware M100
  3. Component Thin-Client Device, for example Neoware or Wyse with 1 GB Flash and 512 MB RAM minimum
    - External LCD Monitor
    - Waterproof Keyboard (wired or wireless)
    - Mouse or other pointing device (wired or wireless)
  4. All-in-one Computer Med Cart
  5. Mobile Computer Workstation
- Device Options
  1. Barcode Scanner (example: Wasp WLS9500 Laser Barcode Scanner)
  2. Waterproof or Sealed Keyboard
  3. Sealed Mouse
  4. Touch Screen Monitor (preparing for future Keane NetSolutions touchscreen capabilities)
- System Requirements
  - Operating System – Windows 2000, Windows XP 32 or 64 bit, Windows Vista Business 32 bit
  - Browser – Internet Explorer 6.5 or 7

### 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

- 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