Symbia.net™
Clinical Workflow Server

Information Access Made Easy

Symbia.net is a cost-effective, client-server solution for anywhere, anytime processing and reading of SPECT and SPECT·CT studies.

Symbia.net is available in two configurations:

Symbia.net is ideal for hospital imaging departments requiring an affordable and expandable client-server solution enabling SPECT and SPECT·CT information access for up to five concurrent users.

Symbia.net *Select* is ideal for clinics or hospitals seeking a cost-effective, client-server solution promoting SPECT information access and exchange for two concurrent users.

Symbia.net is designed for the specific needs of nuclear medicine with a user-friendly interface and advanced automation features. It improves clinical workflow by providing hospital staff with easy, economical access to all patient cases and applications.

With Symbia.net, you can leverage your existing Siemens imaging equipment and IT infrastructure, reduce manual interaction, synchronize information and knowledge exchange, and improve your facility's workflow productivity.

Symbia.net is the only client-server solution that provides full processing and reading capabilities and is configurable with Siemens standard and advanced Clinical Engines, as well as standard cardiac packages, including Corridor4DM, Cedars, and Emory Cardiac Toolbox™. It is easy to install and upgrade as your practice and departmental needs evolve. The floating license concept allows up to five users to access the system simultaneously, supporting their processing, viewing, reading, and information-sharing needs.

Leverage your existing scanner investment and enhance your business processes with the Siemens Symbia.net Clinical Workflow Server designed for ease of integration and use in small to large hospital department network applications.

www.siemens.com/symbianet

Clinical Workflow Server

SIEMENS

Symbia.net Clinical Workflow Server

Information Access Made Easy

Key Features and Benefits

Anytime Access to full processing and reading capabilities from anywhere.

• Symbia.net is the only client-server solution that provides full processing and reading capabilities and is configurable with Siemens standard and advanced Clinical Engines, as well as third-party cardiac packages.
• Symbia.net provides access to studies from both within and outside your imaging department for greater flexibility and instant access to information.
• Symbia.net supports a network connection via WAN, LAN, or VPN, including wireless access.
• Up to five concurrent users can access the clinical network simultaneously.

Easy to install and operate.

• Symbia.net easily integrates with your existing cameras, RIS, and PACS infrastructure.
• A virtually unlimited number of client computers, meeting the minimal requirements, can be installed remotely — as your needs evolve without additional licensing fees being incurred.
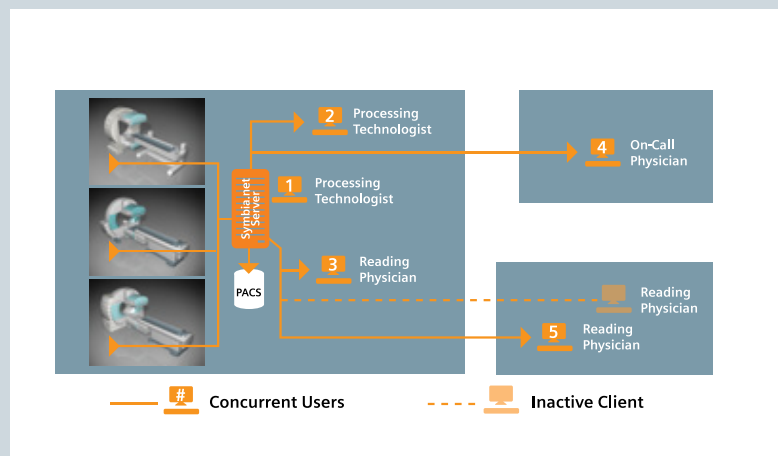
Economical to maintain and expand.

• Symbia.net server provides fast and efficient network updates and maintenance, remote installation, and monitoring of the client system. With only one server to administrate, it reduces total cost of ownership and increases uptime.
• Symbia.net scales efficiently with your growing needs as floating licenses can be added at any time.
• One server with floating licenses provides access to an unlimited number of users.
• Symbia.net requires less capital investment than two stand-alone workstations with comparable configuration.
• Any PC or MAC with a network connection and meeting minimal hardware requirements can be used as a client.

Enhance Clinical Workflow to new levels of productivity with Symbia.net and MI Applications.

Symbia.net's user-friendly interface and advanced MI Applications automation features enhance clinical workflow to new levels of efficiency with features like:

• Workflow matching: Cases ready for interpretation are paired up with the correct or suggested reading workflow.
• Motion correction: Automated motion correction.
• Flexible display: Allows users to customize or create new layouts. Elements can be positioned and sized as needed. The menu-like display of elements allows drag-and-drop design.
• Worklist: All cases ready for processing or reading are presented in the worklist, with study and workflow already paired.
• Auto send: Scanner can be reconfigured to automatically send data to your Symbia.net server and prioritize the cases for viewing.
• Easy second opinion: All users see all cases.
• Easy on-call: All cases and tools available anywhere, anytime.
• Easy demo: All cases and tools available (e.g., during the tumor board meeting).

Diagram showing: Symbia.net Server, PACS, with connections to **2** Processing Technologist, **1** Processing Technologist, **3** Reading Physician, **4** On-Call Physician, Reading Physician, **5** Reading Physician.

Concurrent Users — — — Inactive Client

Technical Specifications

	Symbia.net[1,2] for SPECT & SPECT·CT	Symbia.net *Select*[1,2] for SPECT only
# of Concurrent Users	2 - 5	2
Server		
Server Operating System	Microsoft Windows® XP	Microsoft Windows® XP
Processor	Intel® Xeon® Quad-Core, 2.93 GHz	Intel® Xeon® Quad-Core, 2.93 GHz
Memory	12 GB	12 GB
Graphics	nVidia® Quadro® FX3800	nVidia® Quadro® FX3800
Client **Minimum Hardware Requirements**		
Client Operating System	Microsoft Windows® XP, Microsoft Windows® Vista, or Apple® Mac	
Memory	1 GB minimum RAM, 2 GB recommended	
Hard Drive	1 GB free hard-disk space minimum	
Resolution	Minimum of 1280 x 1024, 24-bit color depth compatible graphic card (RGB)	
Processor Speed	Inte®l Pentium® 4, 2.0 GHz or Higher	
Supported Image Types & Scanners Note: Symbia.net is also compatible with competitive data that conforms to Siemens DICOM standards.	SPECT and SPECT·CT: c.cam® e.cam® Symbia® E Series Symbia S Symbia T Series	SPECT **only**: c.cam e.cam Symbia E Series Symbia S
Connectivity Note: Network bandwidth lower than recommended may result in decreased system performance, e.g. when displaying dynamic images such as cines.	**Bandwidth requirement** Minimum: 54 Mbps Recommended: 100 Mbps or higher (wired or wireless).	
Installation	Install and update Symbia.net by connecting to the server and launching an installation/update application.	
Service & Upgrade Capability	Siemens Remote Services capabilities allow for fast and efficient maintenance and updating. Remote diagnostic functionality permits remote login and the ability to receive updates electronically. Administration is centralized in one server, database, and workflow library.	
Configuration & Expansion Options	Symbia.net offers licenses for up to 5 concurrent users; 1 at the server with up to 4 floating clients. The client application can be installed on an unlimited number of PCs, meeting minimal requirements, with simultaneous access limited to up to 5 concurrent users at any given time.	Symbia.net *Select* offers licenses for up to 2 concurrent users; 1 at the server and 1 floating client. The client application can be installed on an unlimited number of PCs, meeting minimal requirements, with simultaneous access limited to 2 concurrent users at any given time. Note: Field upgrade option for Symbia.net *Select* to the Symbia.net for SPECT and SPECT·CT is now also available.
Software Compatibility	Works with Siemens standard and advanced MI Engines and is configurable with third-party cardiac packages, including Corridor4DM, Cedars, and Emory.	
Languages Supported	English, French, Spanish, German, Japanese, Chinese	

Additional information: Ask your local Siemens representative about Symbia.net. Or to learn more, visit www.siemens.com/symbianet for an online demonstration.

[1] Specifications subject to change without notice.
[2] For fast and efficient data transfer between the Symbia.net server and clients, compression algorithms are used. However, the compression does not clinically affect the image quality or diagnostic value of the image. Typical compression ratio is roughly 1:3.

Whenever the hardware is supplied by us and is labeled accordingly, it is CE-compliant in accordance with EMCD 89/336/EEC and, if applicable, with LVD 73/23/EEC.

Caution: US federal law restricts the herein described devices to sell by or on the order of a physician.

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The information in this document contains general technical descriptions of specifications and options as well as standard and optional features which do not always have to be present in individual cases.

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