



# PowerServer XU

## PACS

HL7

HIPAA Compliant  
Access Control

**THE FULLY WEB-BASED, PERFECTLY  
SCALABLE RADIOLOGY PACS SOLUTION  
DESIGNED TO MEET THE NEEDS  
OF FACILITIES OFFERING GENERAL  
RADIOGRAPHY, DEXA AND ULTRASOUND  
STUDIES.**

DICOM

Internet Security  
SSL and TLS Encryption

IHE

**RamSoft**  
RIS PACS Teleradiology



# PowerServer XU

## PACS

### Physician Portal with Mobile App

- Image Viewer with Streaming
- Wet Reads
- Current and Prior Reports
- Basic Manipulation Tools
- Works on Windows, MAC and Linux

The Physician Portal with Mobile App is a cutting edge application that provides unseen levels of interactivity while maintaining the ease of use and security you've come to expect from RamSoft. Patient images and reports are available to view with zero footprint as there is no need to download special software.

### Mobile App Version

The mobile version of the Physician Portal is based on HTML5 so it will work with a wide range of smartphones and tablets including iPhone and iPad. This version has the same tools and features as the Portal version, so the interface is seamless.

### Why RamSoft?

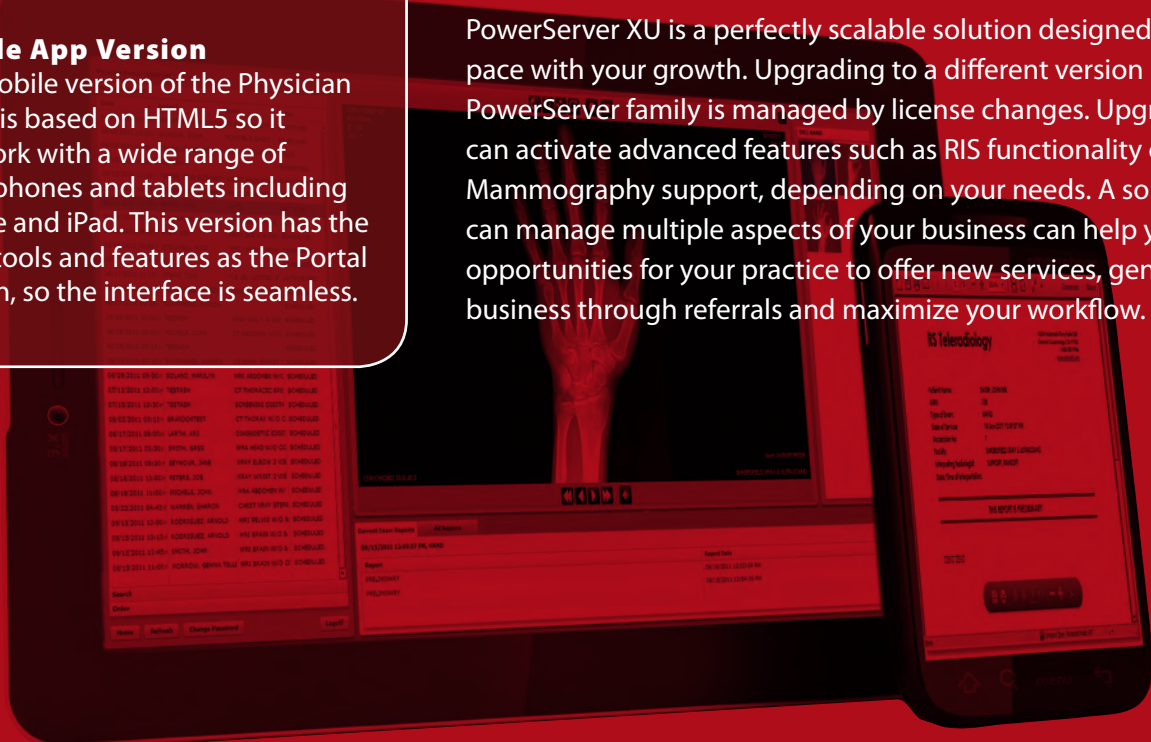
RamSoft understands the needs of imaging healthcare providers and has been developing fully-customizable, feature-rich imaging IT solutions over 16 years, allowing end users to overcome their day to day challenges. Process automation within your organization is key to becoming a successful and profitable practice while continuing to promote better, faster patient care. Our completely web-based products are designed to streamline your practice's workflow so you can focus on what you do best – offering a superior level of service and quality patient care.

### Powerful Technology with Proven Heritage

PowerServer XU is built on the same platform as our industry leading PowerServer PACS solution. This means that you'll be getting the same stability, performance and security imaging facilities require. With proven architecture and productivity enhancing technologies, PowerServer XU is an unbeatable value.

### Freedom to Grow with Powerserver XU

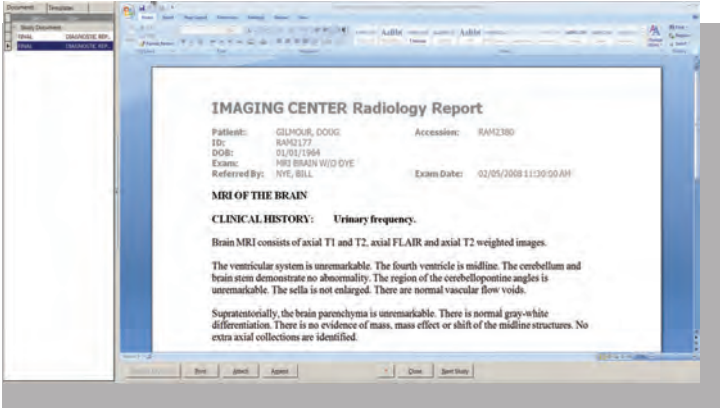
PowerServer XU is a perfectly scalable solution designed to keep pace with your growth. Upgrading to a different version in the PowerServer family is managed by license changes. Upgrading can activate advanced features such as RIS functionality or Mammography support, depending on your needs. A solution that can manage multiple aspects of your business can help you create opportunities for your practice to offer new services, generate new business through referrals and maximize your workflow.



**FULL-FEATURED PACS SOLUTION FOR DEDICATED MODALITIES**

**PowerServer XU meets the needs of X-Ray, Ultrasound and DEXA providers.**

**PowerServer XU is a fully web-based radiology PACS specifically designed to meet the needs of radiology practices with specialized modalities and mobile providers moving to a digital environment. PowerServer XU supports general radiography, fluoroscopy, angiogram, bone density and ultrasound studies.**



## UNIQUE POWERSERVER FEATURE:

### **Electronic Forms and Report**

**Templates** provide a unique and seamless integration with Microsoft Word to our end users with hundreds of default report templates, structured reports (based on RSNA Guidelines) and patient documents. Unlike other vendors, RamSoft has taken the extra effort in developing this integration to allow users to create reports and templates without having to contact support each time a change is required. PowerReader has the ability to insert key images into the report, and has over 175 data bookmarks available.

## Power to Manage your Practice Your Way

### **100% web-based**

As with all our software, PowerServer XU is 100% web-based and accessible from anywhere in the world. Because it utilizes RamSoft's proprietary bandwidth load distribution and study push technology, reading can be done without delay.

### **Unlimited Users and Workstations**

The licensing model behind PowerServer XU enables you to install workstations on multiple machines and allows for an unlimited number of users. This frees your facility from the cost of buying user licenses as you grow allowing you more time to concentrate on your patients.

**Customizable Worklists** is one of the most powerful customizable Worklists out in the market today. Imaging healthcare providers have the ability to create default worklists by department, role and user without having to purchase a full RIS solution. This feature allows you to browse through patient studies from one screen and provides up-to-date status for each, aggregating multiple facilities into one single worklist. Each user and/or department is able to customize their worklist specific to their daily tasks. Study documents, voice clips and dictations are also accessible from this screen with a simple click.

**Viewing Protocols** utilize an easy drag and drop process for setup and customization. This feature enables protocols to work uniformly across complex multi-facility scenarios. Individual users can create custom viewing environments that automatically match preferences for study type and hardware. Once defined, the end user never has to worry about the way images are displayed again.

**Study Alerts** is a customizable feature that enables administrators to create alerts for studies that require immediate attention based on the status of the patient within the workflow. This feature can be used by all departments and is extremely valuable to radiologist for alerts on STAT reads.

# A Perfect Fit for Practices Offering Specialized Imaging Services.

**RamSoft understands that implementing a digital solution to manage patient studies with low reimbursements can seem cost prohibitive. On the contrary! We have set a pricing model for PowerServer XU that provides you with the financial benefits of the digital environment without sacrificing PACS functionality. It is built on the same platform as our full-featured PowerServer PACS and possesses the same features to automate your workflow and also provides a powerful diagnostic viewer for reading physicians.**

**Audit Trails** provide you with the ability to monitor user activity within the system. There are four types of audit trails: Patient, Study, User and Print Log. These reports are used to identify which patient studies or patient data has been accessed by system users and the actions that have been performed. Audit trails are important to monitor system security and maintain HIPAA compliance.

**Export Providers, Referring Physician, Imaging Center, Referring Facilities and Other Facilities** data for marketing purposes. This is an excellent way to analyze your target market, determine additional specialties to focus on and develop marketing campaigns to grow your business. This data can also be used to create resources for direct mail programs – mailing lists, mailing labels and form letters.

## Advanced Technology

**The Robust Software Platform of** PowerServer XU provides the stability, performance and security imaging facilities require. It is built on the same SQL database as our entire PowerServer family so images can be stored on a single database. It utilizes RamSoft's proprietary progressive study loading which allows you to display images as they arrive so you don't have to download the entire study in order to view the images. Data is transmitted via TLS encryption to ensure each transaction is secure and HIPAA compliant. The system is fully customizable or available as a turnkey solution.

**DICOM Modality Worklist** is one of the best time saving features for technologists. PowerServer XU sends patient and study information directly to the modality console so the technologist can begin the procedure with a click. This feature eliminates potential double entry of patient demographics and study descriptions saving time and reducing human errors.

**Built-in Workflow Engine** enables your radiology department to track the status of patients from start to finish, allowing statuses to be customized in any order. Many software vendors require a RIS or a separate worklist to accomplish this. This engine allows you to automate every step in the process from sending the worklist to the modality, receiving the images, radiologist interpretation, to report distribution.

## PowerServer XU supports:

- Bone Density
- Computed Radiography (CR)
- Digital Radiography (DR)
- Endoscopy Images
- Microscopic Images
- Ultrasound – with Cine
- Radio Fluoroscopy (Fluoro)
- X-Ray Angiography

## Management Reports

Building your practice's business is always foremost in the minds of practice administrators. PowerServer XU is equipped with web-based reporting tools so you can check the status of your business at any time to identify areas of improvement and growth. Utilize the data obtained in Management Reports to make improvements in workflow.

- Study Turn Around Time
- Radiologist Turn Around Time
- Transcriptionist Turn Around Time
- Performing Physician Turn Around Time
- Technologist Turn Around Time
- Modality Turn Around Time
- Turn Around Time Per Study
- Studies by Status Transition Date

Reports can be exported to .PDF & .XLS



## Product Highlights

### **Fully Integrated Voice Recognition Software\***

- Voice commands to navigate viewer
- Customizable structured report templates
- Simultaneously toggle through images while dictating
- Dictate reports directly into embedded Microsoft Word® templates

\*Add on module

**View Multiple Patients Simultaneously** allows direct comparisons between different patients while keeping the user's preferences intact. This important feature also provides radiologists with the ability to view and report on high priority studies without disrupting the study they are currently working on.

**Digital Web-Based Dictation and Transcription** enables radiologists and transcriptionists to work remotely anytime, anywhere – without having to download a separate application.

**Cache Technology** within PowerServer XU streams images without having to wait for the entire series to download. Studies can be queued and pushed along with priors to radiologists in advance allowing them to retrieve images immediately.

**Customizable Mouse Presets** are especially important for radiologists who are comfortable with a particular way of doing things. This feature expands the radiologists ability to set the mouse to their preferred behavior and can mimic other image viewers.

**Intelligent Search with Results as you Type** eliminates a step in the workflow. Users have the flexibility to search for patients by Patient Name, Patient ID, DOB, Social Security and telephone numbers. This latest technology is being used on Google and all other search engines.



**Built in DICOM Routing Engine** provides PowerServer XU with a HIPAA compliant routing engine so you can tailor your study routing rules to fit your schedule. The routing mechanism is so flexible you can route studies by status, modality, facility, physicians, times, dates, AE title and many other DICOM tags. Additionally, the embedded router technology allows you to effortlessly route prior exams along with new exams. Images stored on any DICOM compliant device can be automatically retrieved and sent to any destination.

## Add-On Modules

**Report Distribution Interface**, is able to automatically distribute reports to referring physicians, consulting facilities and other facilities via auto faxing, auto-emailing and the Physician Portal. Automatic report distribution immediately sends a preliminary or final report to your referring physicians, which reduces the turnaround time for delivering reports and provides diagnoses to patients quicker.

**Auto Report Faxing** Integrations with InterFax, MyFax and ActFax provide PowerServer XU users with the option to select a faxing solution that best fits their business needs. Automated faxing services reduce administrative tasks because report distribution is built right into the workflow. To confirm a fax was sent, simply review the system's Communication Logs.

## PowerServer RIS

PowerServer XU can be upgraded to include the full-featured PowerServer RIS as an add-on module.

# SCALABLE POWERSERVER PACS SOLUTIONS - COMPARISON CHART

Product Features	PowerServer PACS	PowerServer Lite PACS	PowerServer XU PACS
<b>BASICS</b>			
Modalities	All	All - Except Mammo	X-Ray, Ultrasound, DEXA
Intelligent Search with Results as you Type	•	•	•
Licensing	Annual Study Volume	Annual Study Volume	Annual Study Volume
Redundant Server Software (no extra cost)	•		•
Unlimited Referring Physician Access	•	•	•
Unlimited User Access	•	•	•
Unlimited Workstations	•	•	•
Web Based	•	•	•
<b>PACS FEATURES</b>			
3D MIP/MPR/MinIP/VR (derived series, screen capture)	•	•	
Ability to Open Multiple Patients in Separate Windows	•	•	•
Apply Best Matched Viewing Protocol Based on User Preference	•	•	•
Auto Compare of Current and Prior Studies	•	•	•
CD/DVD Burning	•	•	•
Color Mapping for NucMed and PET Studies	•	•	
Customizable Mouse Presets	•	•	•
Customizable and Unlimited Worklists	•	•	•
DICOM Printing	•	•	•
Document Scanning	•		•
Film Digitizing	•		•
Learn Protocol Layouts Based on Imaging Device	•	•	•
Learn Protocol Layouts Based on Mammo View	•		
Mammography Tools	•		
PET/CT Fusion	•	•	
Physician Portal with Mobile App	•		•
Prior Prefetching/Auto Routing	•	•	•
Probe and ROI Measurements Including Hounsfield Units (HU) for CT and SUV for PET	•	•	
Unified Worklist / Unlimited Worklists	•	•	•
Worklist Alerts	•	•	•
<b>REPORTING FEATURES</b>			
HL7 Report Distribution	Optional		Optional
Auto Report Distribution: Email, File Export, Physician Portal	•		•
Auto Report Distribution: Fax	Optional		Optional
Critical Findings Module			
Custom Word Report Templates with DICOM Fields	•		•
Digital Dictation	•		•
Dragon Voice Recognition Integration	•		•
Dragon Voice Recognition Licenses	Optional		Optional
Electronic Report Signing	•		•
Report Transcription	•		•
Structured Report Templates (based on RSNA Guidelines)	•		•
<b>ADMINISTRATIVE &amp; IT FEATURES</b>			
Audit Trails - End User, Patient, and Study	•	•	•
DICOM Modality Worklist Provider (MWL)	•	•	•
RamSoft Management Reports	•		•
Rapid DICOM Routing	•	•	•
Real-Time DB Backup to Redundant Server	•		•
Report Storage	•		•
Routing Scripts	•	•	•

Only selected product features are described above. Please contact RamSoft Sales to ask about our many additional features.

## POWERSERVER AND YOUR PRACTICE

### Acute Care Facility

Enterprise-wide access to images and reports

HL7 integration with RIS, EMR or HIS systems

Improved patient care

Instant communication and collaboration

Quality customer service and support

### Radiology Department

Radiology specific automated workflow

Web-based radiology workstation

Supports voice recognition

### IT Department

Off-the-shelf hardware

Security and HIPAA compliance

Open standards

Simple web-based management

Automatic workstation configuration

### PURCHASE OPTIONS

- Software and Hardware (pre-installed)
- Software Only
- Hosted Solutions
- Financing (via finance company)

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RIS PACS Teleradiology

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**A HEALTHCARE LEADER.** Founded in 1994, RamSoft, Inc. is a leading Canadian healthcare software and services company dedicated to developing and delivering cost-effective, high-quality RIS, PACS and Teleradiology solutions for our clients around the world. The complete lines of PowerServer and Gateway products offer radiology workflow solutions that meet the demanding needs of fast-paced radiology facilities of all sizes by streamlining workflow, improving patient care and providing referring physicians with real-time access to patient images and reports. Our solutions are designed for trouble-free installation and ease-of-use so your practice is up and running in the shortest time possible. Since each of our PowerServer products are interconnected in features and capabilities, as your company grows, our solutions will grow with you.