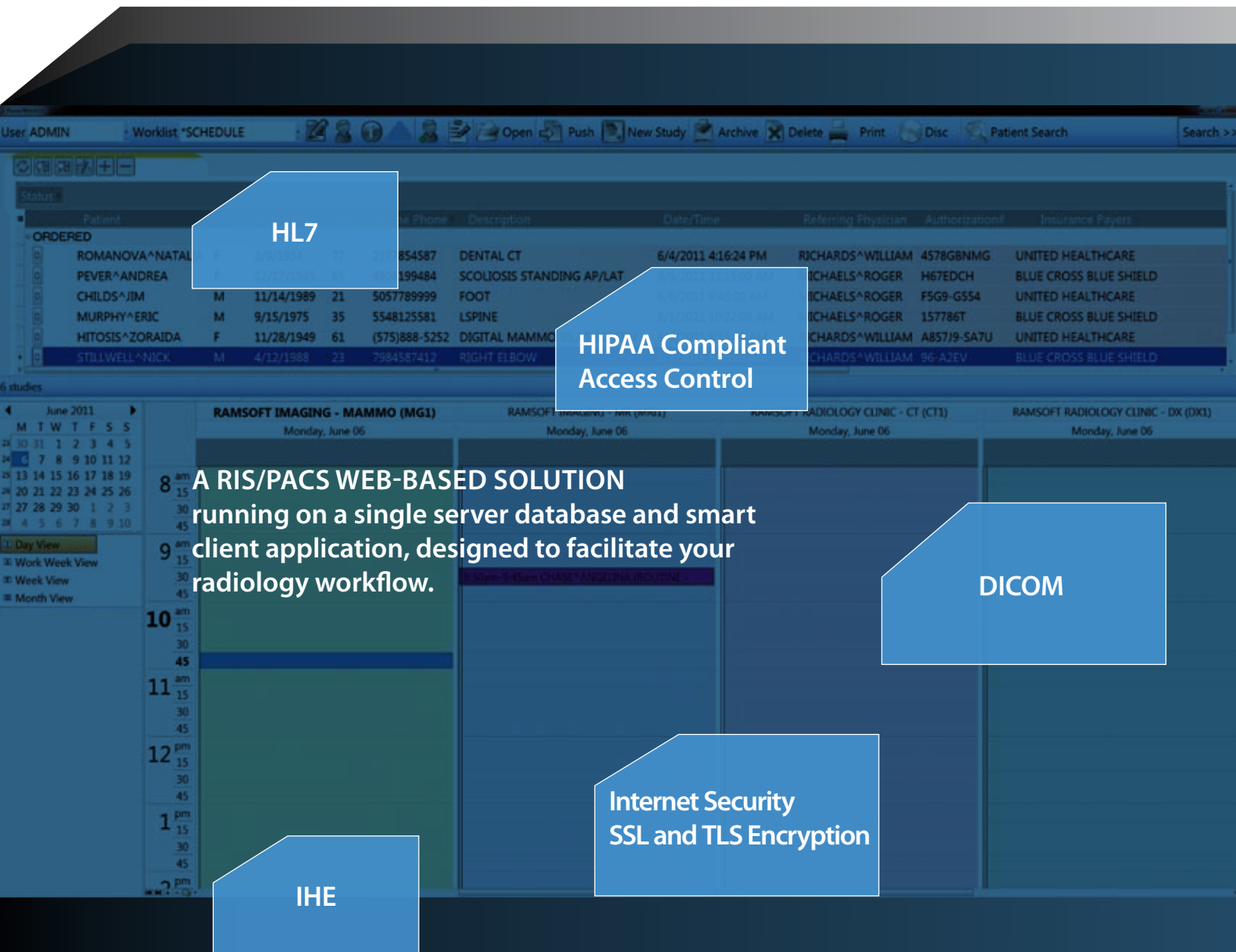




PowerServer RIS/PACS



HL7

HIPAA Compliant
Access Control

A RIS/PACS WEB-BASED SOLUTION
running on a single server database and smart
client application, designed to facilitate your
radiology workflow.

DICOM

Internet Security
SSL and TLS Encryption

IHE



PowerServer RIS/PACS

Physician Portal with Mobile App

Referring Physician Order entry

With RamSoft's RIS/PACS Online Order Entry Module, your referring physician's busy practice can request appointments for any of your facilities and modalities from one portal. Your schedulers receive an alert notifying them of the appointment request and can process the patient according to your workflow.

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

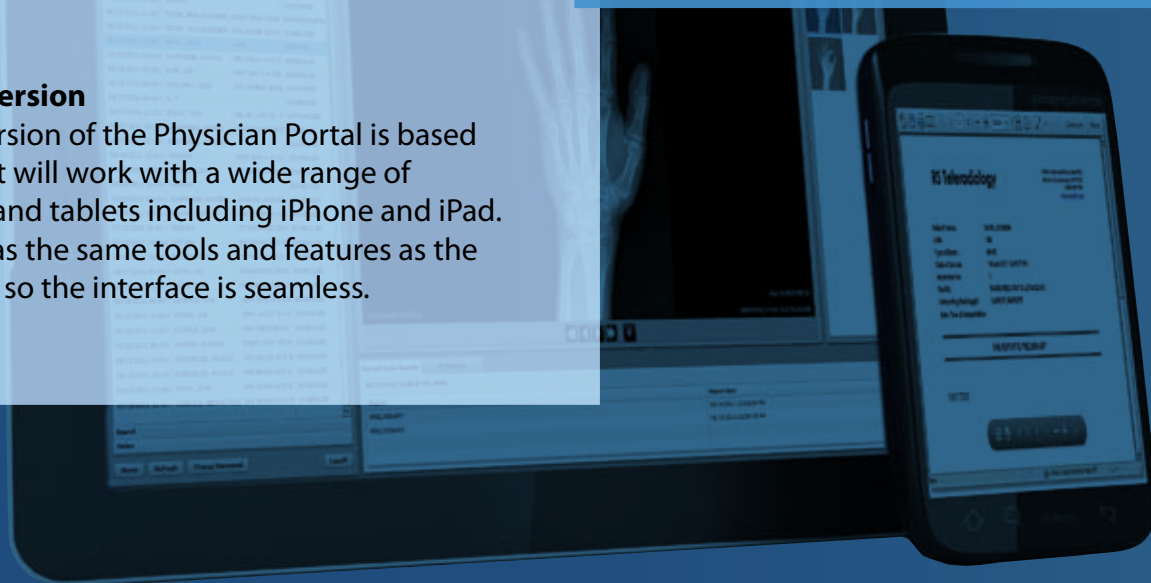
The Physician Portal with Mobile App is a cutting edge application that provides unseen levels of interactivity while maintaining the ease of use and security you've come to expect from RamSoft. Patient images and reports are available to view with zero footprint as there is no need to download special 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 busy radiology practices and has been developing fully-customizable, feature-rich imaging IT solutions for imaging healthcare providers for 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.





PowerServer RIS/PACS

WHAT SETS POWERSERVER RIS/PACS APART FROM OTHER RIS/PACS PRODUCTS?

PowerServer RIS/PACS is an intuitive, single database application that enables any healthcare facility to operate their Imaging department efficiently by providing a software solution that is consistent in look and feel, has a powerful workflow engine, and offers ease of use that continues to evolve based on the market demand. Our solutions are developed based on our 16 years of experience in radiology workflow, and are designed for any number of facilities of any size.

We truly understand workflow, and when it is inefficient, common tasks can become complicated and time consuming to complete. Often times, staff is required to learn and use various systems or systems not properly synched with each other, resulting in an increased workload and user error.

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 made the extra effort to develop 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.

Why are more imaging healthcare providers switching over to RamSoft's single database platform technology?

Single database platform is one of the latest cutting edge technologies available. It reduces data redundancy, updating errors and increases consistency throughout your radiology department. Data entry is reduced significantly and you are only required to manage one server. Applications are run entirely in one screen without having to minimize and jump from one application to another. With our real-time database back-up, you will never have to worry about losing any data. When you have a separate RIS and PACS database, if one application goes down, the manual process to get them back in sync is time consuming and troublesome. "This is why we designed this intuitive, unified, front-end and back-end solution so your imaging facility can operate at maximum efficiency, comply with all standards, and deliver the highest quality of patient care" - Vijay Ramanathan, RamSoft CEO.

Cost Advantages

RamSoft's single platform technology is one of the most competitive, reliable and scalable Imaging solutions in the market today; thus improving the quality of patient care around the world. Our single platform technology allows us to eliminate extra cost of concurrent user licenses that other vendors require. With RamSoft you are not limited by the number of users, workstations, worklists or modality licenses that your facility requires in order for us to meet your current and future needs.

Advantages include, but are not limited to:

- Lower IT costs (management of multiple servers)
- Reduced RIS/PACS administration time
- Decreased service and training costs (one application to learn)

Redundant Server Software

Unlike other healthcare IT vendors, we believe that a redundant system is a necessity, not an option. That's why we provide our customers with redundant PowerServer software at no extra charge. Redundancy is the only way to ensure that your facility stays running at optimal efficiency.

The Solution to your Imaging Workflow.

RamSoft understands those obstacles and enables imaging facilities to overcome those day to day challenges with its feature rich, customizable solution that will eliminate virtually any workflow challenges you may be facing with your current system(s). Thanks to its single user interface for both RIS and PACS, new staff is easily able to learn the system and utilize it to its full potential in a short period of time. Everything a radiology operation needs is built right in providing your imaging facility with the stability, performance and security it requires.

Product Highlights

Electronic Appointment Requests alleviate the workload in busy scheduling departments which reduces the frustrations previously felt by patients and referring physicians who experienced long hold times while trying to schedule an appointment. This is why we designed the electronic appointments request in the Physician Portal. With RamSoft's RIS/PACS Online Order Entry Module, your referring physicians' busy practice can request appointments for any of your facilities and modalities from one portal. Your schedulers receive an alert notifying them of the appointment request and can process the patient according to your workflow.

Scheduling and Patient Registration in PowerServer RIS/PACS makes patient scheduling and registration simple. 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.

Never misplace a patient referral again with the Orders Worklist. It is such a simple yet intuitive piece of our scheduling module. This feature was designed to allow users to quickly enter referral orders that cannot be processed until additional information is captured into the system so that referral slips and patient information is processed immediately as it arrives. Documents can be scanned, dragged and dropped or attached to the patient's chart on the fly. The worklist is visible to all schedulers so these patients can be processed in a timely manner.

Digital web-based dictation and transcription enables radiologists and transcriptionists to work remotely anytime, anywhere – without having to download a separate application.

Voice Recognition (Add-on)

- Simultaneously toggle through images while dictating.
- Radiologists are able to dictate across multiple study desktops. For accurate dictation, the active study desktop will be the one that processes the dictation.
- Radiologists can dictate reports right into the included customizable RamSoft structured templates that are based on RSNA guidelines or utilize their own templates.

Dragon™ Medical Users

- The integration of Dragon Medical with PowerReader enables radiologists to use voice commands to navigate the application such as create a new report, select the template, fill in all the fields in a structured template, and sign the report to distribute to the referring physician.
- Use an existing Dragon Medical License with RamSoft's PowerReader without having to reconfigure profiles and macros. (Excludes Dragon Enterprise).



PowerServer RIS/PACS Features

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

Procedure and Diagnosis Code Mapping in PowerServer RIS/PACS fully supports CPT/HCPCS, ICD-9 and now ICD-10 codes, associating them with scheduled appointments to ensure proper coding from the moment the patient is scheduled.

- Appointments are automatically coded based on the type of study.
- Authorized staff, including technologists, can easily correct or modify codes based on procedures performed.
- Reports and charges can be easily accessed for coding review.
- PowerServer RIS/PACS can post charges, demographics, and insurance information via interface to the billing software of your choice.
- Our procedure coding and DX mapping is also configurable for out of country formatting.

Create **Fee Schedules** based on the facility, insurance company and/or modality charge amounts, based on your contractual agreement whether it's for technical, professional, global or teleradiology billing.

The **Patient Document Module** allows users across the enterprise to quickly drag and drop, scan or attach patient documents all in a matter of seconds. Radiologists are also able to access these documents while viewing images and dictating reports without having to close the viewer.

Patient Alerts allows users across the enterprise to flag patients during the course of the workflow or for an unlimited amount of time. These alerts are not limited to the types of messages and important information will never get missed, whether it's for allergies, financial data other important data. Your staff have the ability to set dates for the alerts to expire and departments in which they would like the alerts to show up.

Customizable Worklist in PowerServer is one of the most powerful customizable worklists available 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.

DICOM Modality Worklist is one of the best time saving features for technologists. PowerServer RIS/PACS 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.

Management Reports

Here are a few examples of some of the useful practice management reports to monitor the health of your business:

- Patient Referral Analysis by Referring Physician
- Study Turn Around Time
- Radiologist Turn Around Time
- Transcriptionist Turn Around Time
- Technologist Turn Around Time
- Modality Turn Around Time
- Turn Around Time Per Study
- Studies by Status Transitions

Reports can be exported to .PDF & .XLS

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.

Advanced Radiology Workflow streamlines the radiologist's workflow while making digital studies easier to work with. Efficiently complete repetitive tasks with a flexible engine and the advantage of a digital infrastructure.

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.

The built in **DICOM Study Routing Engine** provides the PowerServer PACS 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, faculty, 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.

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

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 radiologists for alerts on STAT reads.

Critical Finding Results improves real-time communication as the timeliness of patient notifications is always a top priority. Critical Findings Results improves the standard of care by immediately flagging results and notifying the referring physician of vital patient diagnoses.

Advanced Features

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.

Advanced Visualization includes Multiplanar Reformatting (MPR) tools to reconstruct two-dimensional views of a series after creating a three-dimensional volume. Users are able to change the layout, view modes and the viewing angle in MPR view. This value-added feature provides radiologists with more tools to make accurate diagnoses for referring physicians. Oftentimes, 3D is only available on a separate 3D workstation and integration is required to do a DICOM push. With MPR tools built in, reading physicians will not have to disrupt their workflow to provide a final read. This is especially important for cases that require MIP as part of the interpretation. Allowable Slab MPR Views include MIP, MinIP and AvelP in addition to volume rendering, 360 degree rotation, curved and cross-sectional modes. Additionally, the MPR module allows you to derive brand new image series in any plane and Image Capture acquires an entire reconstructed series or individual key MPR images which can then be shared with referring physicians via the Physician Portal.

PET/CT Fusion provides the ability to view a PET series on top of a CT series and fuse the two into a new series so anatomical and physiological information can be viewed simultaneously. This feature is important, for example, in planning radiation therapy protocols for cancer patients.

Color Mapping provides the capability of adding color to grayscale images in order to help identify pathology. This technique is especially useful for diagnosing metabolic activity in nuclear medicine (NM) and PET studies. The software provides a wide variety of mappings that can be used to translate grayscale to color. It also provides the capability of creating custom mappings and modifying existing ones.

Digital Mammography tools typically found only on a dedicated workstation are available to everyone with PowerReader – no matter the location. With 4-monitor support, you are able to read and view breast MRI, mammography and ultrasound from a single client interface thus improving the reading environment for the radiologist. This simplified workflow eliminates the need for multiple workstations. Window and level algorithms have been optimized to provide the greatest image quality and smoothest reading experience possible. This module will also automatically sort the left and right digital image series and match them to any relevant priors stored in the system for easy comparison. The CAD image overlays work with any mammography package that conforms to DICOM CAD specifications including Hologic and iCAD.

POWERSERVER RIS/PACS - COMPARISON CHART

Product Features	PowerServer RIS/PACS
BASICS	
Intelligent Search with Results as You Type	●
Licensing	Annual Study Volume
Modalities	All
Physician Portal with Mobile App	●
Redundant Server Software (no extra cost)	●
Unlimited Referring Physician Access	●
Unlimited User Access	●
Unlimited Workstations	●
Web Based	●
PACS FEATURES	
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	●
DICOM Modality Worklist Provider (MWL)	●
DICOM Printing	●
Document Scanning	●
Film Digitizing	●
Learn Protocol Layouts Based on Imaging Device	●
Learn Protocol Layouts Based on Mammo View	●
Mammography Tomosynthesis Support	●
Mammography Tools	●
PET/CT Fusion	●
Prior Prefetching/Auto Routing	●
Probe and ROI Measurements Including Hounsfield Units (HU) for CT and SUV for PET	●
Unified Worklists/ Unlimited Worklists	●
Worklist Alerts	●
REPORTING FEATURES	
Auto Report Distribution: Email, File Export, Fax, Physician Portal	●
Critical Findings	●
Custom Word Report Templates with DICOM Fields	●
Digital Dictation	●
Dragon Medical Voice Recognition Integration	●
Dragon Medical Voice Recognition Licenses	Optional
Electronic Report Signing	●
Electronic Reports	●
HL7 Report Distribution	Optional
Report Transcription	●
Structured Report Templates (based on RSNA guidelines)	●

Product Features	PowerServer RIS/PACS
RIS FEATURES	
Administrative Dashboards	●
Clinical Decision Support	●
CPT and Diagnosis Code Mapping	●
Electronic Appointment Request/Online Order Entry in Physician Portal	●
Electronic Forms (registration, exam forms, letters and more)	●
Entry of Patient Lab Results	●
Export to Billing Software (HL7)	Optional
Fee Schedules	●
Meaningful Use- Certified Complete EHR	Optional
Modality Fee Schedules (for modality or teleradiology billing)	●
Multi-Modality Scheduling	●
Patient Alerts	●
Patient Chart (documents)	●
Patient Demographics including Race, Ethnicity, and Smoking Status	●
Patient Reminders	●
Single and Multi-Facility Scheduling	●
Unscheduled Referrals Worklists	●
ADMINISTRATIVE & IT FEATURES	
Audit Trails - End User, Patient, and Study	●
HL7 Triggers for Prefetching	●
RamSoft Management Reports	●
Rapid DICOM Routing	●
Real-Time DB Backup to Redundant Server	●
Report Storage	●
Routing Scripts	●
Study Assignment and Access Control	●

PowerServer RIS/PACS Options

Our **Certified Complete EHR Meaningful Use Module** for PowerServer RIS/PACS will be able to maintain the necessary patient data required for you to qualify for Medicare and Medicaid Meaningful Use incentive programs.

Automated Report Faxing integrations with InterFax, MyFax and ActFax provide PowerServer RIS/PACS 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.

Signature Tablets work with electronic form technology making it easy for you to eliminate the excess paper forms cluttering your facility; saving you substantial time, paperwork, and printing costs. Forms can be filled using a keyboard and mouse or with a PC tablet and signed electronically with an electronic signature pad.

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

Full paperless environment

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
- Pay Per Study Solutions (ASP/SaaS)
- Financing (via finance company)

RamSoft

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.