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RX400 MedX

NEW!

Rimage Patient USB Stick System

RX400-MedX

Gunnar Merfels

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Rimage RX400 MedX Patient USB Stick System

- 4 front USB 3 high speed ports
- 10“ touch screen for easy operation
- Integrated labelprinter
- Integrated PC
- Integrated CD/DVD reader*
- Compact, easy desinfectable case
- Gigabit Network
- Ultra silent design

GUI Languages:
Englisch, German, Italian, Spanish, French, Polish, more possible on request

*DVD reader requires the optional patient CD import module

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Main advantages at a glance

RX400 Med

- Even large studies fit on one data carrier
- Ability to save full studies instead of just the small part on which the report is based
- High data transfer rate - time savings in production and opening the studies
- Modern medium that does not require a CD/DVD drive
- Safe and easy workflow
- Very little space required
- Extremely low maintenance
- Easy handling
- Great addition to portals
- Needs no additional DICOM SW for main functionality

RX400 MedX Working modes

Manual Assign Mode

Jobs are send by Modalities, PACS or DICOM SW into a Job Cue. Jobs are waiting there until selected. This allows stick production at the time its really needed and every recorded stick can be given to the patient instantly after recording. Studies can be added to existing Multi-Write-Protected sticks. This is the standard operating mode

Auto Assign Mode

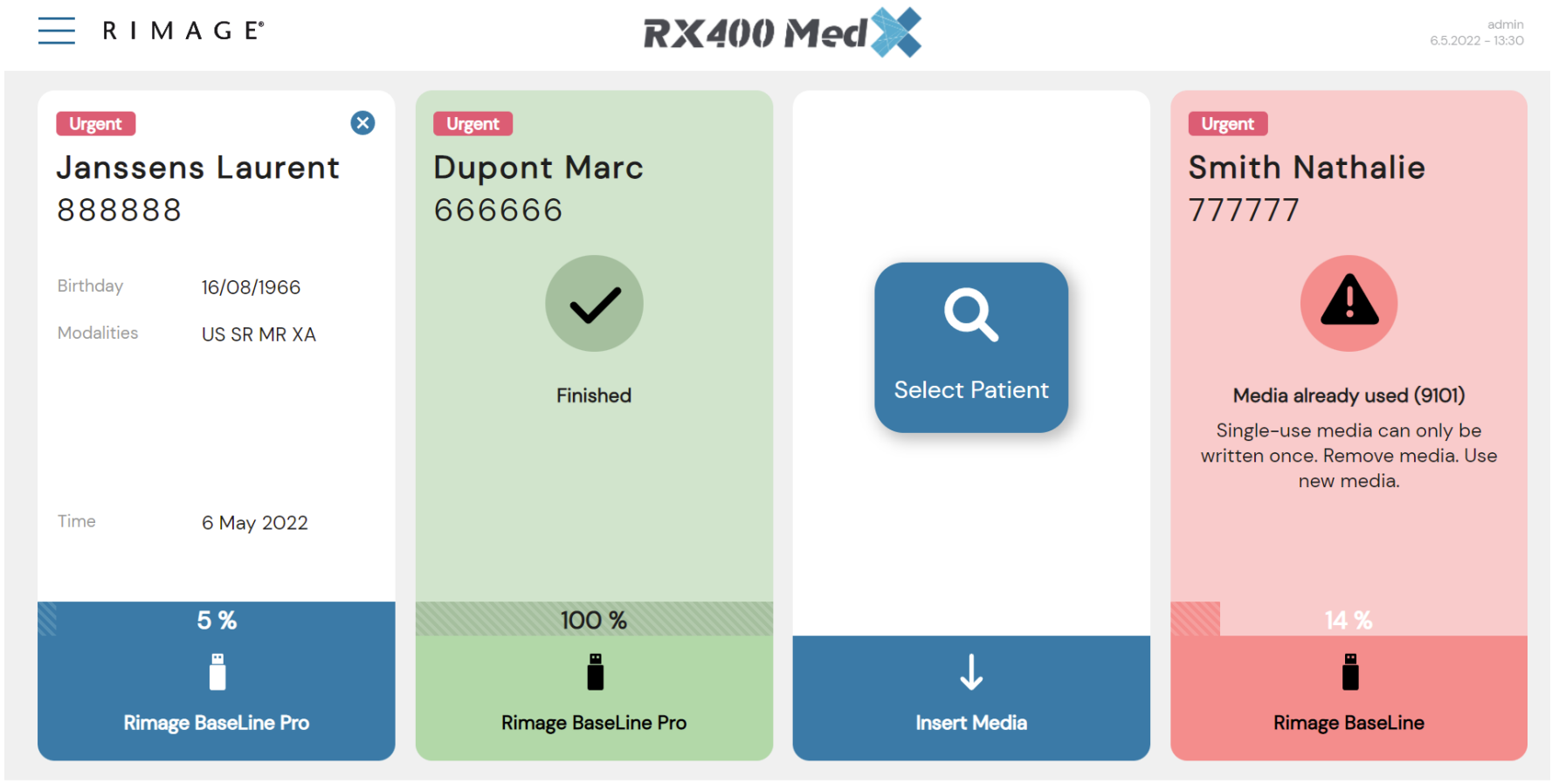
Jobs send by Modalities, PACS or DICOM SW are immediatly assigned to free USB ports. No manual selection is needed or even possible. Adding of additional studies to Multi-Write-Protected sticks is not supported. This Mode is designed for Hospitals if speed is the main factor and the patient is not picking up the stick by himself.

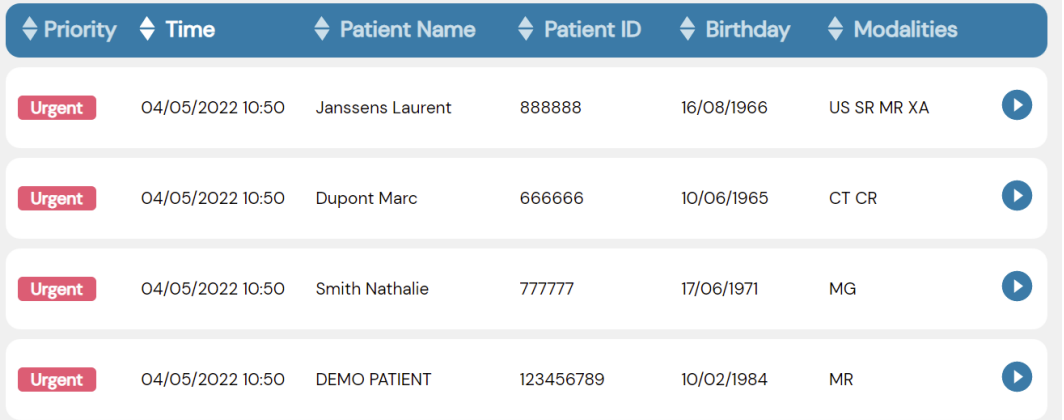
Manual Assign Mode

Easily create a USB stick by first selecting a free port and then the patient name from the order list with a finger touch.

Colors show job status clearly visible

GREEN: FINISHED
RED: ERROR





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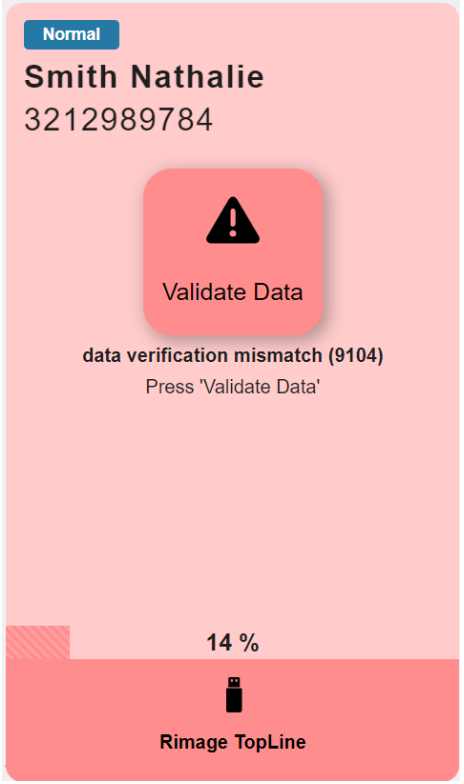
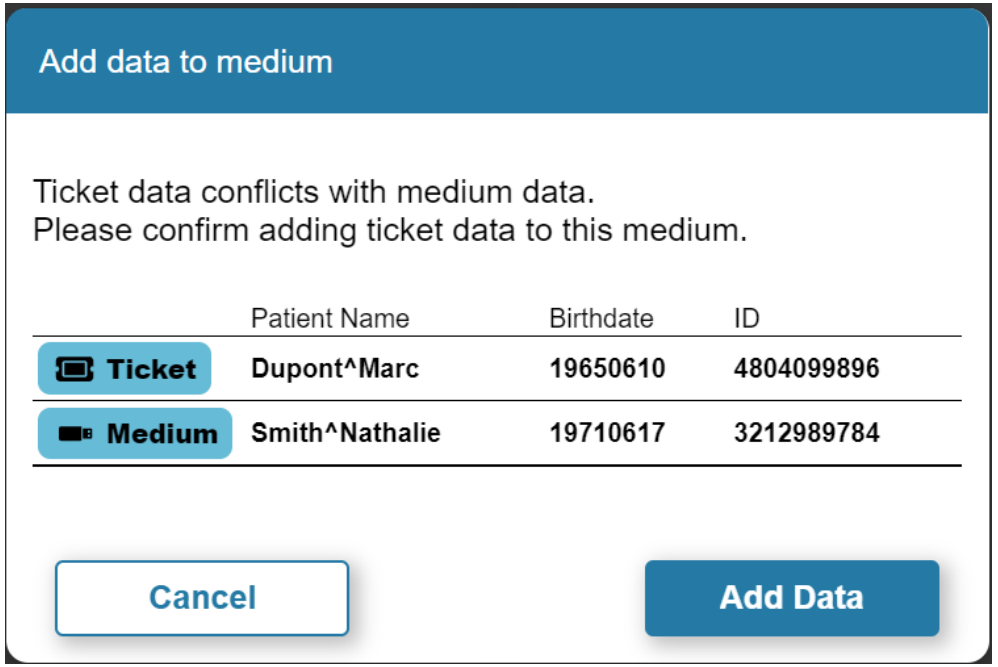
Multi-Write-Protect Workflow

RX400 enables the user to add new studies to an existing Patient USB Stick. It verifies Name, Birthdate and Patient ID to make the workflow simple and secure.

If data is identic, recording starts immediatly.
If different the following message is shown:

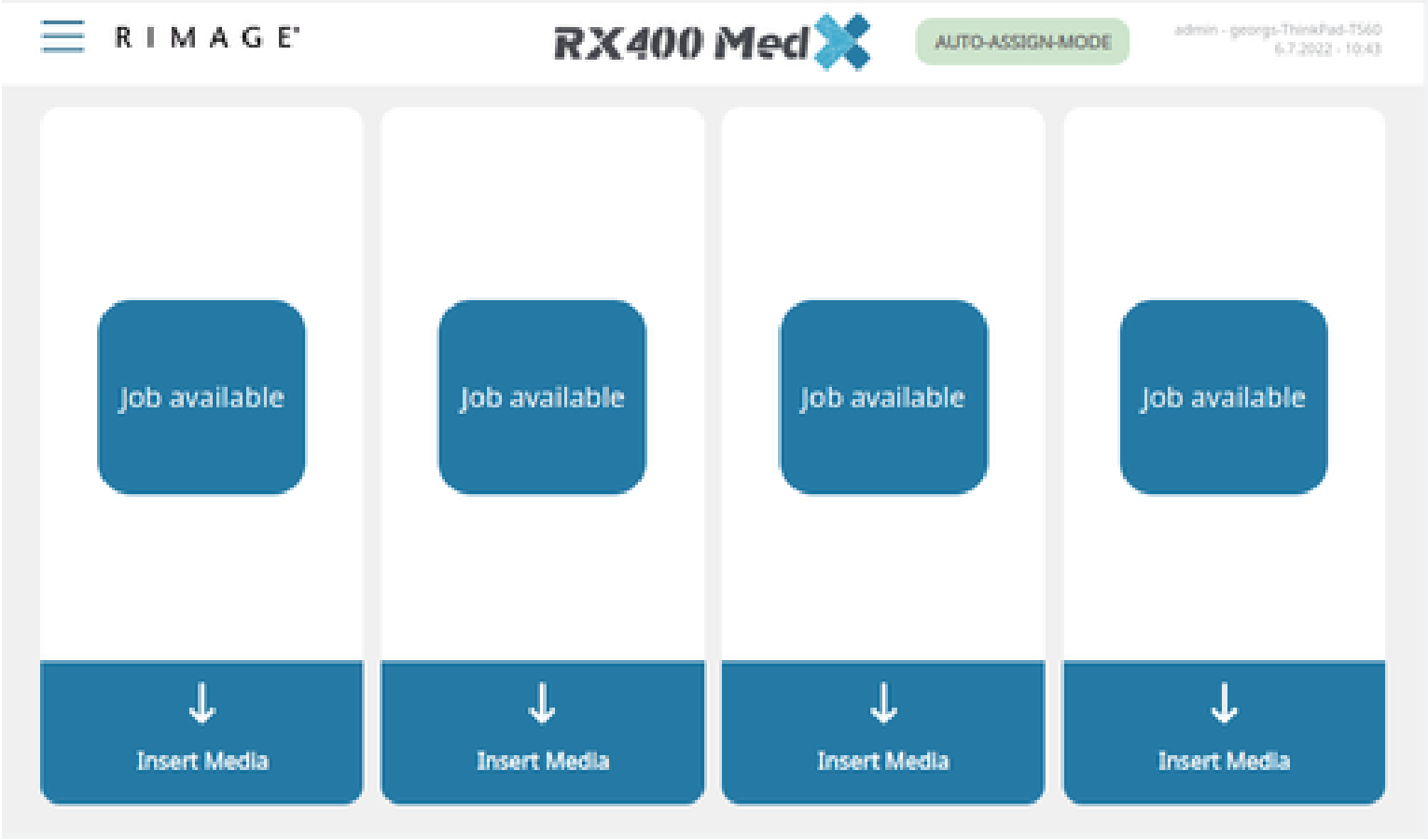


The user can double check and start production if OK or cancel the job if there is a real mismatch



Auto Assign Mode

- Jobs are automatically assigned to the next free USB Stick.
- No manual selection needed/possible
- Workflow is simpler and faster but it is not possible to add studies to existing sticks



Todays 2 leading technologies to provide Patient Data

Patient Portals – relatively new technology to make patient reports online available

- Pro: Referring doctors have online access, patients have online access, cheap per study
- Problem: Data is stored for a relatively short time, a patient needs to download and archive, can be very slow for large files, needs online access, every clinic has its own portal, the portal can be hacked and data gets stolen or is not available. Some patients don´t accept online portals

Patient CDs – very established technology with cheap production prices

- Pro: Standard, easy to produce, very reliable, write-protected, cheap
- Problem: needs a CD drive to open, new CD for every new study, can be too small for large files, relatively slow to open studies

Future of patient data delivery

- more and more studies will be delivered by portal in the best case portals will have a share of 80-85%
- Patient CDs will fade away over the next years as CD readers are not part of new PCs anymore

an alternative and future-proof solution for physical media is needed
to deliver the open 15-20% of studies

Secure Rimage Patient USB Stick

Rimage Patient USB Sticks

Security: Every USB Stick is write-protected (WORM) and can be individually encrypted.

Multiple Use: Exclusively the RX400 can open our multi-write-protected sticks and add new studies multiple times.

Cost-effective: Multi-write-protect stick usage avoids the production of new media for every study

Information printed: The RX400 automatically creates individual labels per stick.

Simple & fast production: To record typical DICOM studies takes only 20-30 seconds.
Jobs can be started easily by selecting the patient name on the touch screen.

High performance: The high-quality sticks and the system design allow the parallel production of up to 4 sticks.
This results in a throughput, that can be several times higher than a CD robot.

Fast study opening: Read performance of a Rimage stick is X times higher than from a CD or an online portal and opens high-resolution studies in seconds.

RIMAGE®
SECURE PATIENT
SINGLE-WORM USB 16GB

RIMAGE®
SECURE PATIENT
MULTI-WORM USB 16GB

RIMAGE®
SECURE PATIENT
MULTI-WORM USB 64GB

Use on PCs with blocked USB ports

- In some hospitals and clinics, USB ports on PCs are blocked for USB sticks for security reasons.
- This is intended to minimize the risk of PCs or the entire network being infected by a stick containing viruses or Trojans.
- Since Rimage Medical USB sticks are recorded via a secure workflow, they can be "whitelisted" very easily.
- Rimage USB sticks, therefore, have special IDs that always remain the same, which can be entered in the USB Management SW whitelist and managed centrally for all PCs.
- This allows Rimage Medical USB sticks to be opened safely while unsafe sticks continue to be blocked.
- We enclose an information card with every USB stick that provides information about this possibility.

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Secure Patient USB-Sticks

This USB stick is always write-protected outside the Rimage RX400. No other System can get write access to the USB stick, which makes it nearly impossible to add virus or malware after the fact.

This allows for safe medical use.

SCAN ME

RX400 MedX

Use secure USB Sticks in your medical environment

Dear medical customers,

Rimage patient USB-Sticks are the modern version of the proven patient CD.

They offer many advantages:

1. higher compatibility, as a CD drive is no longer required,
2. more speed to open studies faster
3. more storage space to store related studies together over a period of time and compare them more easily

Normal USB-Sticks are considered as a potential security risk in many hospitals and clinics and are therefore often not opened or USB ports on PCs are even blocked for USB sticks.

Rimage Patient USB sticks are as secure as a CD. They have a pre-write protection already at delivery and can therefore only be recorded via our RX400 MedX devices, as part of a medical integration.

The write protection is also active after the medical records have been added. This limits the risk of adding potential viruses or malware afterwards, as all other systems only have read access and can't modify the data.

How to recognize a secure Rimage USB flash drive:

- White case with gray slider
- Rimage logo
- Sticker with patient ID and other patient data (if the stick is recorded)

Patient USB-Stick in your local network

If your USB ports have been blocked by IT, you need to open them specifically for Rimage patient USB sticks. To do this, your IT Team can whitelist them with the paramaters below. Other, unsecure sticks, will still be blocked this way.

BASELINE PATIENT USB-STICK
Manufacturer ID : RIMAGE
Product ID : BaseLine

BASELINE Pro PATIENT USB STICK
Manufacturer ID : RIMAGE
Product ID : BaseLine Pro

TOPLINE PATIENT USB-STICK
Manufacturer ID : RIMAGE
Product ID : TopLine

The RX400 MedX concept

The RX400 MedX is a very compact all-in-one solution.

- Direct connection to PACS or Modalities possible, use as a DICOM node
- DICOM integration with leading solutions similar to patient CD robots
- Order cue with all waiting jobs send by DICOM devices
- 10“ touch screen with easy operation of study selection and job status
- 4 USB ports to produce up to 4 individual patient sticks at the same time
- Rimage USB sticks are write-protected with the Rimage „WORM“ feature
- Rimage „Multi-Write-Protect“ USB sticks allow adding further studies securely
- High speed secures real on-demand production in an average of 30 seconds (600MB study)
- The integrated label printer generates individual labels which can be applied very easily
- <u>3 ways to use:</u>
    1. Produce new sticks with individual labels and WORM protection
    2. Recognise a Multi-Rite-Protect stick that already contains data and add new studies
    3. Use RX400 to import studies securely from USB sticks and CDs into your PACS*

*optional feature, import needs to be supported by your DICOM SW

Value for Hospitals & Clinics

- Future proof – USB connectors can be updated to new standards like USB C
- Dual Use: Create patient USB sticks and import existing USB sticks and patient CDs securely into your PACS*
  *(import needs to be supported by your DICOM software, optional feature)
- Security
  - ✓ Write protection on the Controller level prevents, that a stick gets infected by use in a non secure PC
  - ✓ Only Rimage RX400 MedX systems can add data
  - ✓ Individual encryption possible in combination with DICOM SW
  - ✓ Secure production process avoids human errors
  - ✓ Label is printed directly after a ready stick is disconnected
- Cost effective & environmental friendly
  - ✓ Multi-Write-Protect Sticks can be used multiple times and for different studies of the same patient
- On Demand production
  - ✓ No need for „pre-production“ if a patient asks for his stick ist produced on time
- Compact & silent design fits on every desk and creates no noise
- Capacity and speed allow usage in many departments
  - ✓ E.g. Radiology, Mammography, Pathology, Ultra Sound, Patient Records
- Simplified operations:
  - ✓ Intuitive touch usage
  - ✓ Very simple printer refill
  - ✓ No user training is needed

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Value for Patients & Referring Doctors

- Media that‘s compatible with nearly all devices
- Store multiple studies on one device
- Own your medical data independent from limited availability in WebPortals
- Open studies in high speed
- Availability of studies from different years to easily compare and diagnose changes
- Data is available independent of internet availability and speed
- Longivity of 10+ years
- Security:
  - ✓ WORM improves the security of virus-free operation strongly no matter in which devices the stick is used
  - ✓ Data can not be deleted or changed by accident
  - ✓ Individual encryption prevents unauthorized data access if the stick gets lost
    (needs to be supported by your DICOM SW)
  - ✓ No risk that data is hacked on a web portal and gets stolen

NEW feature

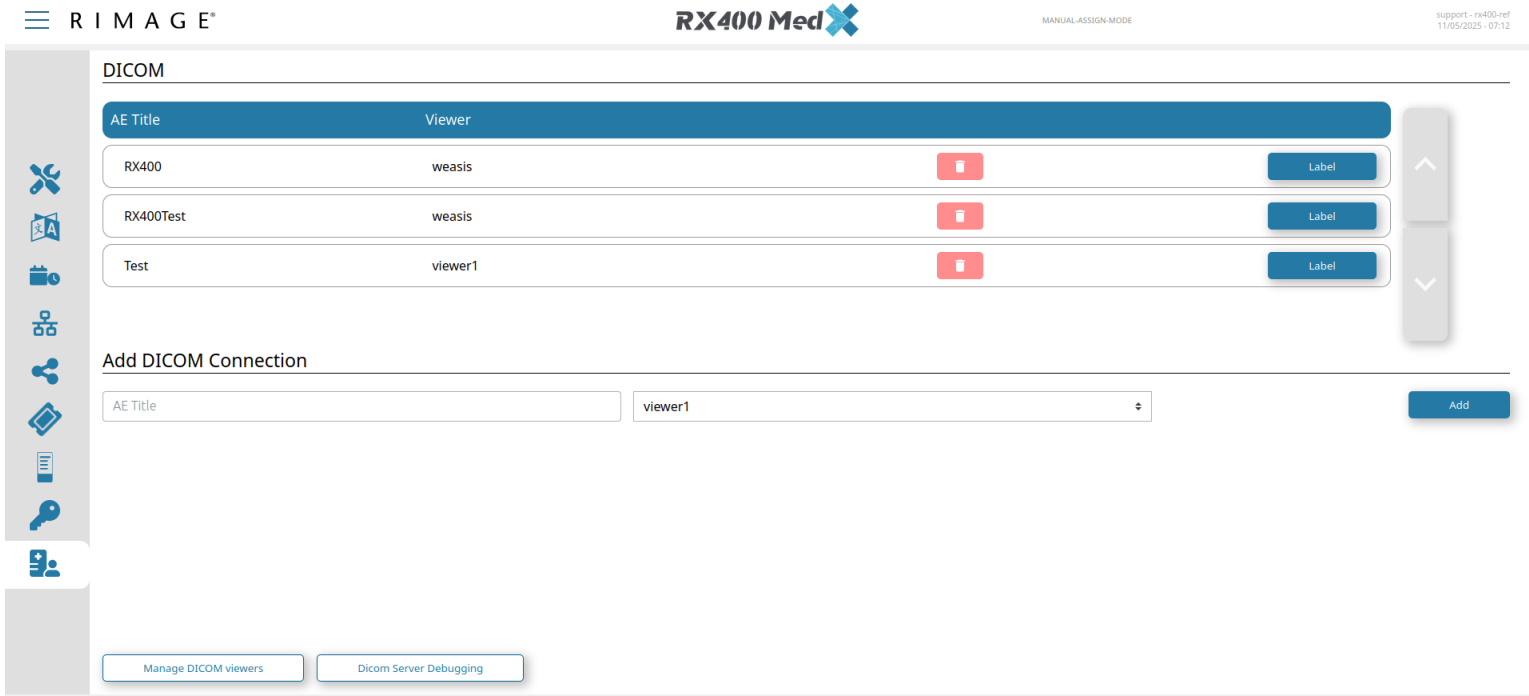
Integrated DICOM support

Connect the RX400 MedX directly to your PACS or Modalities to record a Patient USB Stick as easily as printing a DICOM image.

Supports several AE Titles to use for different demands, separate Labels, Viewers…

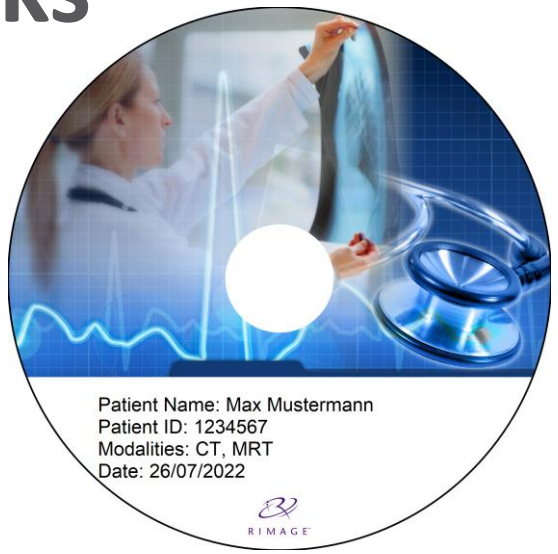
NO additional Software needed
NO additional PC needed
Easy and fast to set up.

Specialized DICOM Burner tools are still supported for advanced functionality and job management.



Optional feature

Import Patient CDs and USB Sticks



Use the integrated CD/DVD drive and the USB ports to conveniently read in patient CDs and USB sticks that patients bring from other doctors.

The data is copied to an import folder. There it can be checked for viruses and imported into your PACS.*

If a patient wishes to copy the data from his previous CDs to the USB stick, this is also possible this way

*(import needs to be supported by your DICOM SW)

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