

RX400 MedX

The Medical USB Solution – Fast, Simple & Secure

Safely store even large, high resolution studies in full resolution at the push of a button. Your patients receive a modern, write protected RX400 USB stick produced with the RX400 MedX Patient USB System. The USB sticks can be issued as an alternative to patient CDs – with decisive advantages such as significantly higher capacity, faster write/read speeds, and broad compatibility, as no CD/DVD drive is required to read the data.

How It Works

The RX400 MedX System is a compact, fully integrated desktop system with an integrated computer, four front USB ports, a label printer, and a touchscreen. The system is additionally equipped with an internal CD/DVD drive to conveniently import existing patient CDs into your PACS. The RX400 can be addressed directly as a DICOM node and manage multiple AE title configurations. Alternatively, it can be used in parallel with many existing DICOM solutions alongside patient CD robots and portals.

This allows the RX400 to be quickly integrated into your existing workflows. Patient USB sticks are produced just as easily – and even faster – than the patient CDs used to date, with the advantage that the data is available more quickly and the high storage capacity allows multiple studies to be stored.

Rimage patient USB sticks are automatically write protected, protecting them against malware. The integrated printer prints the patient label as soon as the written stick is removed, ensuring that USB sticks cannot be mixed up.

Why Patient USB Sticks?

With Rimage patient USB sticks, we improve data security through immutable data. This is achieved using WORM technology (Write Once, Read Many). This process offers the highest



level of protection against malware, as the USB sticks can only be written by the Rimage RX400 MedX System. The USB sticks can be read on any PC; however, no data can be written, modified, or deleted.

With multi session TopLine USB sticks, the Rimage RX400 can add further studies to existing content and then re enable write protection based on WORM technology. Compared with standard USB sticks, Rimage WORM USB sticks offer several advantages: WORM write protection, increased durability, high performance, and clear identification as a secure medical USB stick.

TopLine Patient USB Stick (16 GB & 64 GB)

USB version: 3.1
 Multi session feature
 Connector: USB A
 Max. read/write speed: 400/200 MB/s
 Sequential read/write: 40/30 MB/s
 Data retention time: up to 10 years
 Storage capacity: 16 GB or 64 GB



BaseLine (Pro) Patient USB Stick (16 GB & 32 GB)

USB version: 2.0 (3.1)
 Single session feature
 Connector: USB A
 Max. read/write speed: 200/100 MB/s (400/200 MB/s)
 Sequential read/write: 25/8 MB/s (40/30 MB/s)
 Data retention time: up to 3 years (up to 10 years)
 Storage capacity: 16 GB or 32 GB



Benefits for Hospitals and Practices

Simplified Processes

The integrated touchscreen displays all studies in the queue from every connected modality. Via the touchscreen, you can select which study you want to store on the USB stick. Thanks to the high write speed, recording a study of e. g. 700 MB takes only around 30 seconds. This allows you to create the required media on site as soon as a patient arrives at reception.

Security

The RX400 MedX should only be used with Rimage USB sticks, as these include special security features such as WORM write protection. This ensures that no additional files containing malware, such as viruses or other threats, can be stored on the stick and enter highly sensitive networks. Only the RX400 system can disable the write protection, add new data, and then re-enable the protection. This minimizes risks and provides additional protection for your IT environment. The integrated thermal printer automatically prints a durable patient label as soon as you remove a written and verified patient USB stick, preventing mix-ups.

Using the optional "Generic USB" add on, the system can alternatively write to standard USB sticks. However, this should only be used for pure patient copies that are no longer read by doctors, as these sticks do not offer WORM protection.

Reliable Workflow

As the RX400 MedX contains no moving or mechanical parts, it is very service friendly and low maintenance. The built in, with a key easily replaceable SSD contains your device configuration data and locally used study data. This allows you, if required, to request a replacement unit and simply use the existing SSD in the new device. In this case, your sensitive patient data never leaves your working environment.

Service Options

For the RX400 MedX system we offer two different types of maintenance contracts to best meet our customers' performance and budget requirements.

Send-in Service

The customer needs to send in the RX400 MedX system at his own costs. When the system arrives in the service depot, the service team will repair the system as quickly as possible. After repair, the system will be sent back to the customer with Rimage covering the costs of repair and return shipment.

Fast-Track Service

Rimage will send out a replacement unit to the customer on the next business day on Rimage costs. Once the replacement arrives, the customer needs to return the defective unit using the enclosed return label.

Benefits for System Integrators

Reliable Support

Rimage provides fast and cost effective support directly or through local service partners, with various service contracts tailored to your requirements.

Easy Integration

The RX400 MedX can be used directly as a DICOM node without additional software, as easily as a printer. In addition, it is supported by various DICOM patient CD/USB/portal solutions and uses their advanced features.

USB Technology

USB sticks can be read on any PC and are therefore a modern and future proof alternative to patient CDs and the perfect add on to portals, as not every patient can or wants to use them.

Benefits for Patients

All Studies in One Place

Thanks to the option of reusing your USB stick, you can store all medical data on a single medium. This enables doctors to compare multiple studies of a patient and better diagnose disease progression.

Shorter Waiting Times

RX400 MedX provides a USB stick with a typical study in around 30 seconds, so patients do not have to wait long for their personalized USB stick.

Data Protection and Security

we add a new layer of security for patient data on physical media. Your personal medical data can be encrypted, making it virtually impossible to access sensitive patient data and records in the event of loss. However, this function must be supported by your respective DICOM software.

Thanks to WORM write protection, no malware can be transferred from an infected private PC to the USB stick.

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