



RFID CONVERSION TECHNOLOGIES

OVERVIEW

Converting or encoding RFID tags is one of the biggest challenges facing a library that is moving to RFID. There is a lot of labor to consider and a process that must be well defined and efficiently executed. The investment in time and money needs to last a lifetime.

OPEN STANDARD ENCODING

Every EnvisionWare installation is standards-based, not a proprietary vendor standard, but a universally known, well-documented OPEN STANDARD. Many of our customers use the Danish Data Model. In the future they may continue with this model or adopt one of the two pending ISO models.

The choice is up to each customer. What's important is that EnvisionWare delivers only standards-based systems and, as a NISO member, we stay on top of standards developments. We are part of a global community that helps to drive the future direction of RFID in libraries. We ensure that our systems are compliant and versatile, and that you can migrate to new standards as they evolve. We also work with suppliers to ensure that preprocessed items meet the standards.



SPEED

The time involved in conversion is the most expensive element of your migration to RFID. Our staff librarians and our customers collaborated on defining the processes and functional requirements of our system so that maximum speed WITH PERFECT ACCURACY could be achieved.

Whether you install our hardware and software on an existing technical services computer or you purchase our Mobile Conversion Station, we have the system that provides optimal efficiency. Our software comes with Function key shortcuts for installation on standard staff computers or large touch screen buttons for use on the EnvisionWare Mobile Conversion Station.



SOFTWARE SPECIFICATIONS

Operating System	Windows XP, 2000
RAM	128 MB plus RAM for OS
Ports	USB standard Serial when optional serial reader is used.
Modes	Keyboard Mode or Touch Screen Mode

RFID HARDWARE

- Standard EnvisionWare Staff RFID Reader Kit
 - 1 Watt Reader-15 inch (380mm) read distance typical
 - Antenna Pad —13.39 in x 9.45 in (340mm x 240mm)
 - Reader kit accessories include mounting kit, tie wraps, cable ferrites, ferrite shielding, brick-type power supply, PC-style power cord appropriate for country of delivery.
- High Power Reader Kit
Same configuration as above except 1.7 Watt Reader.



MOBILE CONVERSION STATION

Includes Standard EnvisionWare Staff RFID Reader Kit plus Touch Screen-enabled Conversion Software plus:

- **Automatic tag dispenser**
- **ErgoCart with 3-hour battery power system**
 - Auto-glide raise/lower to sitting or standing height
 - 3 inch carpet friendly casters
 - Power system monitor
 - Accessory compartment
 - Adjustable keyboard and mouse tray
 - VESA Receptacle
- **All-In-One PC Platform**
 - 19 inch touch screen display
 - 4 USB ports
 - Serial port
 - Parallel port
 - 2 GHz processor
 - 1 GB RAM
 - Keyboard and Mouse
 - Windows XP Workstation
 - VESA Mount





Open Standard End-to-End
RFID and Self-check

AUTOMATED MATERIALS HANDLING (AMH) / SORTERS

EXTERNAL RETURN

Our SecureHatch™ return provides a configurable and highly secure inlet or book drop for external materials return including drive-through systems. This attractive stainless steel system provides a library card barcode reader, receipt printer, display screen, and locking hatch to front your sorter from the outside of your library.



You can set the system to require a library card, require a card and also require that materials are checked out to the borrower, or simply accept items without validation. The settings may vary depending on your need to secure your return from vandalism.

SORTING RULES

Your system will probably be connected to your Integrated Library System (ILS) via SIP2. That provides the lookup needed to determine information about the item, everything from media type to material ownership. Internal *Sorter Profiles* allow you to customize the system to fit unique needs and to even set up special overrides. If you have RFID-tagged items and use the Renaissance Danish Data Model, information like set information can be read from the tag and provide fast clues about return requirements to facilitate faster operation. The system supports multiple Sorting Profiles so that you can change the behavior at different times of day. While the library is open, the standard profile might sort items as holds, children’s items, items for a branch A, items for branch B, etc. Early in the morning you might use a special branch profile to sort items into different categories. Perhaps when your delivery truck arrives, you would use the sorter while you’re still closed to sort items into physical locations within your building.

ALERTS

When an ErgoStack is full or the system needs attention, you can program the system to activate lights, sound an alarm, or send a message to staff. The system would, of course, be programmed to account for full carts but staff always likes to know when the automated system needs attention, thus eliminating the need to actively monitor the sorter.

BORROWER EXPERIENCE

The borrower touches a button on the screen to start the sorter inlet and then feeds items into the system. The intuitive, fully customizable display guides a user step-by-step through the return process. When all items are fed into the sorter (typical user input to a single inlet is around 500 items per hour), the user touches a button on the screen and the receipt prints.

The borrower benefits:

Instant check-in, removed blocks (especially useful when libraries limit the number of CDs/DVDs).

Return receipt– which offers proof of the time and date every item was returned. Libraries report that users will migrate from a traditional slot return to the sorter voluntarily and eventually cause the manual return to become obsolete. Benefits are readily obvious to borrowers and the extra effort in returning materials is rewarded with immediate check-in and proof of return.

In the event that an item is not owned by the library, the system can alert the borrower of that condition and suggest that the user take the materials directly to the desk or you can accept the item to a suspense bin. You make this decision in your Sorter Profile.

WORLD CLASS SUPPORT

EnvisionWare support is the best in the industry. The best gets better with *on-site* World Class Support. We provide a written up-time guarantee and a guaranteed on-site response time. EnvisionWare Premier Support is included so you get 24x7 response with a guaranteed two-hour call back any time, night or day. We “maintain-as-new” so the system never wears out. Larger library systems can even choose a lower cost self-support option in which your staff are trained to maintain the system.

RENAISSANCE RFID

When you’re ready to move to RFID, your sorter can be upgraded to RFID-based sorting. (Renaissance customers can add sorting to their current RFID system.) Renaissance is North America’s first *open standard* end-to-end RFID solution. Built on the open Danish Data Model, you get system interoperability and the freedom to incorporate the best of breed. The Renaissance solution includes our unique staff-link software that enables your circulation software with full RFID capabilities, OneStop full service kiosk, gates, tags, and all other components necessary to migrate to a full RFID system.

To learn more, visit our web site or call 800-216-8370 toll free in the US and Canada, or +1 678-584-5911.