Datacard® MX Series System

MX9100™ MXD811™ MXi810™

Uniquely powerful card-to-envelope solution for highly differentiated flat cards

The Datacard® MX Series solution features a full suite of flat card personalization technologies and card delivery systems. Card issuers can employ inline customization — from eye-catching cards to dynamic activation labels to bold card carriers — bringing unique designs directly to the cardholder. Plus, seamlessly integrate envelope printing, insertion, and quality assurance to increase operational efficiency and key performance metrics.

ENTRUST

SECURING A WORLD IN MOTION

Full suite of flat card personalization and delivery solutions

DATACARD® MX9100™ CARD ISSUANCE SYSTEM

Today's most advanced and feature-rich flat card personalization platform is built to meet the fast-growing consumer demand for attention-grabbing flat cards — from payment cards to government-issued IDs. This system gives you the speed, power, and control you need to build successful programs.

Best-in-class UV-curable printing technologies ensure superior image quality. Up to 4,000 CPH rated speed — plus intelligence, quality, and reliability — combine for the industry's highest real-world throughput.

BUILD YOUR UNIQUE SYSTEM

- System Controller
- High Capacity Card Input Gen 2
- Card Cleaning Gen 2
- Vision Verification Gen 3
- Magnetic Stripe Encoding Gen 2
- Barrel Smart Card Personalization Gen 2
- Durable Graphics Printing Gen 2
- Drop on Demand Printing Gen 2
- Laser 450F
- Laser 450G

- Braille Personalization
- Color Label Printing
- Label Affixing Gen 2
- Card Buffer/Flipper
- Multi-Card Buffer Gen 2
- Quality Control
- High Capacity Card Output Gen 2
- Datacard® MXD811™ Card Delivery System
- Datacard® MXi810™ Envelope Insertion System
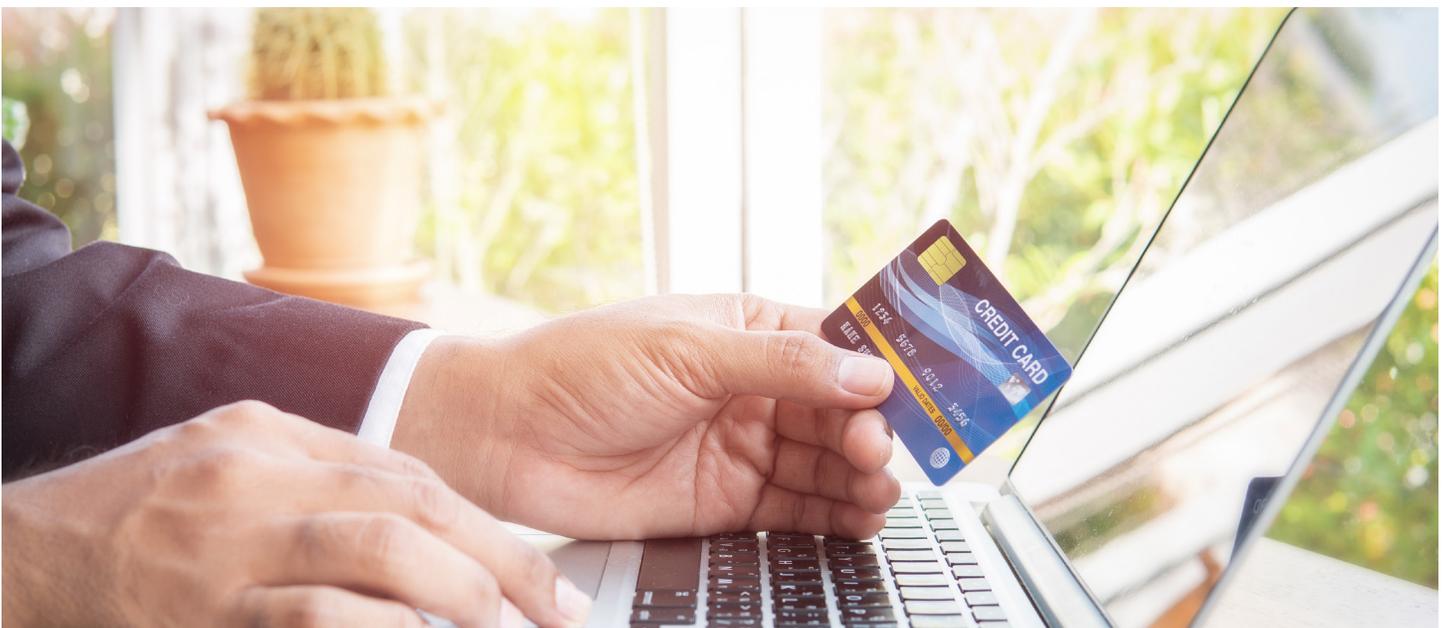
Purposely designed, innovative flat card personalization platform

Powerful integrated software: Controller Software provides a single interface for all interactions with the MX9100 System. This powerful software manages access to the system, enables creation of card and job setups, and tracks production level audits to empower card operation efficiency and security.

Next generation technologies: Deliver unique, eye-catching cards and labels by utilizing UV-curable card personalization technologies with full-color, dynamic label printing — all inline.

True field modularity: Unlike other systems, the MX9100 System offers true field modularity. Entirely new or enhanced modules can be field-installed in a matter of minutes, which helps drive the unmatched investment protection you get from Entrust.

Smart card flexibility: An innovative barrel smart card module — powered by Adaptive Issuance™ Chip Interface Software — accommodates contact, contactless, dual interface, or combi smart cards with a variety of coupler choices. An expandable design accommodates complex smart card networks.

Comprehensive quality assurance: Automated inline quality control technologies greatly reduce errors and waste by automatically verifying physical and electronic card elements. These capabilities reduce the need for manual inspection and directly contribute to higher throughput and lower costs.

Service and support: The MX Series Platform is supported by the industry's largest service and support network, which spans more than 150 countries worldwide. Online and phone support is available 24/7.

MX9100 Card Issuance System

Deliver bold graphics and messaging

With the MXD811 System, you can choose from the following modules and options:

- Card Affixing
- Vertical Card Placement
- Black and White Printer
- Color Printer
- Pre-printed Form Feeder
- Flex-form

- Form Buffer
- Form Folders
- High-Speed Folding Kit
- Card Carrier Stock and Template Verification
- Card Carrier Sorter
- Form Stacker

Create big opportunities with enhanced card delivery

Bigger, bolder card carriers give marketers a new way to reach cardholders and grow revenue. Use the extra space to deliver targeted personalized messaging, promote card activation and rewards, and cross-sell other key products and services. Capture cardholders' attention with engaging color graphics and images that speak directly to their lifestyles and interests.

DATACARD® MXD811™ CARD DELIVERY SYSTEM

Streamlined data flow: Both card personalization and card delivery systems use one set of data and file names — resulting in increased data security and reduced IT interventions.

Support the vertical card trend: Add card placement flexibility without reducing job sizes based on card orientation. Dynamically place cards on carriers horizontally and vertically to meet customer requests.

On-demand color printing: High-quality printing helps reduce the need for large inventories of pre-printed forms. Crisp, full-color, laser printing makes it easy to add visual impact and promotional content to your mailings.

Flexible form sizes: This additional real estate is perfect for printing expanded terms and conditions and adding cross-promotional content to your mailers.

Regroup production to drive uptime and efficiency: Card carrier sorting provides the flexibility to remove inefficiencies from the inline process and/or reorganize finished card carriers to maximize production.

Efficient envelope insertion

Bring the reliability and security you need to complete high-quality finished mailings by adding robust inserting capabilities. Include a variety of additional inserts and forms to your card mailings to add a personal touch to each package to help build lasting relationships with your customers.

DATACARD® MXi810™ ENVELOPE INSERTION SYSTEM

Achieve high productivity: To drive continuous inline advantages, the MXi810 System offers a robust envelope insertion system. Built-in automation throughout the process helps ensure fast job changes with minimal downtime and operator intervention.

Divert and sort: Control your production priorities and drive your system based on business needs. Enhanced functionality allows you to automatically divert mail packages, rank important deliveries, and organize output for efficient distribution.

Precise packages: Inline verification automatically weighs each package or checks the thickness of each piece to verify that the envelope has the correct cards, carriers, and inserts for each cardholder — every time.

Selective insertion: Intelligence built in to help drive larger job runs & production throughput.

Customized packages: Print on-demand, personalized messaging or static logo graphics on the envelope.

Support rewards programs: Card carrier feeding supports the insertion of additional card carriers in a single package. This allows for more cards to be bundled in one package.

Complete card-to-envelope solutions

THE BEST MOMENTS HAPPEN AROUND A TABLE AND AROUND THE GLOBE

Spectacular Adventures   Family and Friends   Good Food

Don't miss extra cash back in the first two months.

- **This Month** Spend at least $500 & Earn $25
- **Next Month** Spend at least $500 & Earn $25
- **Up to $50 in Savings** Visit www.mycreditcard.com/save to learn more
- **Activate Today** 1 123 334 5667

Get personal. Be dynamic.

CUSTOMIZE EVERY CARRIER WITH THE KONICA MINOLTA C7100

This card carrier was printed on a Datacard® Card Delivery System with an inline Konica Minolta C7100 Printer with the following capabilities:

- Customized, on-demand feature flexibility, enabling operational efficiency
- 1200-DPI color laser technology to create bold, bright graphics that help capture your customers' attention, differentiate your brand, and drive card usage
- ICC color management to help ensure your brand colors are spot on
- Inline on-demand print capabilities that maximize operational efficiency by reducing the need for pre-printed stock

> **TO LEARN MORE PLEASE CONTACT YOUR SALES REPRESENTATIVE**

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Activate Now TO START EARNING REWARDS!

ACCOUNT # XXXX-XXXX-XXXX-5505

TIMOTHY JAMES ANDERSON
101 ABC WAY
CITY, STATE, ZIP

CALL 1 123 334 5667 or visit www.mycreditcard.com/activate

Hi Timothy,

Meet your new, exclusive financial card. Your upgraded card offers expanded benefits with even more cash back on everyday spending, better perks, and improved security. All with no annual fee.

Start earning today with our limited time offer to earn $25 cash back the first two months when you spend $500 or more. See inside for details.

ENJOY THESE BENEFITS AND MORE:
- No annual fee
- Accepted worldwide; no foreign transaction fees
- 1% cash back on every purchase, every day
- 3% cash back on dining and travel

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MARIELLE LANDON

MOBILE ACCESS Sign in to your account anytime, anywhere

FREE FICO SCORE Free credit score available anytime

FRAUD PROTECTION We provide 24/7 monitoring and prevention

CHIP SECURITY EMV chip personalization improves transaction security

Marielle
Activate using our mobile app.
Search *BankToday* **in your phone's app store.**
For more info, visit www.mycreditcard.com/activate

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CUSTOMER SINCE 2007   GOOD THRU 02/25
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ENTRUST

In Color. On Demand.
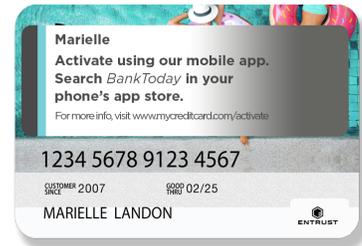
RIGHT INSERTS. RIGHT FORMS. RIGHT CARRIERS. EVERY TIME.

Jobs are becoming increasingly complicated. Diverse job sizes, more inserts, larger paper sizes, new demands for color and greater levels of personalization have made the card mailing process more challenging than ever. Get the complete card-to-envelope capabilities you need to handle whatever comes your way with the new Datacard® card delivery and envelope insertion systems.

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HANDLE COMPLEXITY WITH EASE

Our envelope insertion systems give you powerful flexibility: sort your jobs by inserts or by carrier type — the choice is yours. Operators can easily switch between jobs with minimal manual intervention and easy set up.

- **Envelope verification.** Improve package integrity through multiple envelope verification options.
- **Flexibility.** Electronically change between fold types, hold up to 15 different inserts or forms, divert and manage envelopes as required.

Start with the track stations you need now — and add two track stations at a time to grow your

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MXi810 Envelope Insertion System

With the MXi810 System, you can choose from the following modules:

- Insert Feeder
- Sheet Feeder/Folder
- Accumulator/Folder
- Inserter Base
- Envelope Printing
- Verification
- Standard Divert
- High Capacity Vertical Conveyor
- Card Carrier Feeder

MX9100, MXD811, and MXi810 System Specifications

Rated Speed	MX9100: Up to 4,000 CPH; With the MXD811 and MXi810: Up to 3,500 CPH Speed dependent on configuration; see module data sheets for specific information.
Operating System	Microsoft® Windows® 10 IoT Enterprise 2021 LTSC
Template Management	Microsoft® Word 2019
Maximum Configuration	MX9100: Up to 30 modules MXD811: Up to 1 system per personalization system MXi810: Up to 1 system per MXD System
Cards Per Form	Up to 4 cards anywhere on form Up to 5 cards are allowed with the Vertical Card Placement Option
Printer Ready Data	PCL (black and white), PostScript (color), PDF
Electrical Requirements	MX9100: 230V, 50/60Hz, 15 Amps MXD811: 230V, 50/60Hz, 30 Amps MXi810: 230V, 50/60Hz, 30 Amps
Operating Requirements	Room temperature: 65° to 80° F (18° to 27° C); Humidity: 35% to 85% (non-condensing) Recommend service area around system be at least 36" (76.2 cm) to help provide adequate airflow. See module datasheets for specific information.
Storage Requirements	Room temperature: 50° to 130° F (10° to 54° C); Humidity: 0% to 85% (non-condensing)
Agency Approvals	FCC, UL, cUL, CE, and RoHS Compliant
Card Types Supported	ISO/IEC 7810 ID-1 Size; 30 mil (+/- 10%)
Card Materials Supported	Most card materials can be processed, including PVC, composite, polycarbonate, ABS, PET, and PETG. Limitations may exist for each personalization or verification technology.
Paper Types Supported	20-24 lb bond paper (90.3 gsm) See Card Delivery Paper/Envelope Guidelines for additional specifications.

Note: MX9100 System modules cannot be used in the Datacard® MX8100™ Card Issuance System, Datacard® MX6100™ Card Issuance System, or the Datacard® MX2100™ Card Issuance System. MX8100, MX6100, and MX2100, System modules cannot be used in the MX9100 System. For specific details, see individual module data sheet.

INTELLIGENT END-TO-END ISSUANCE
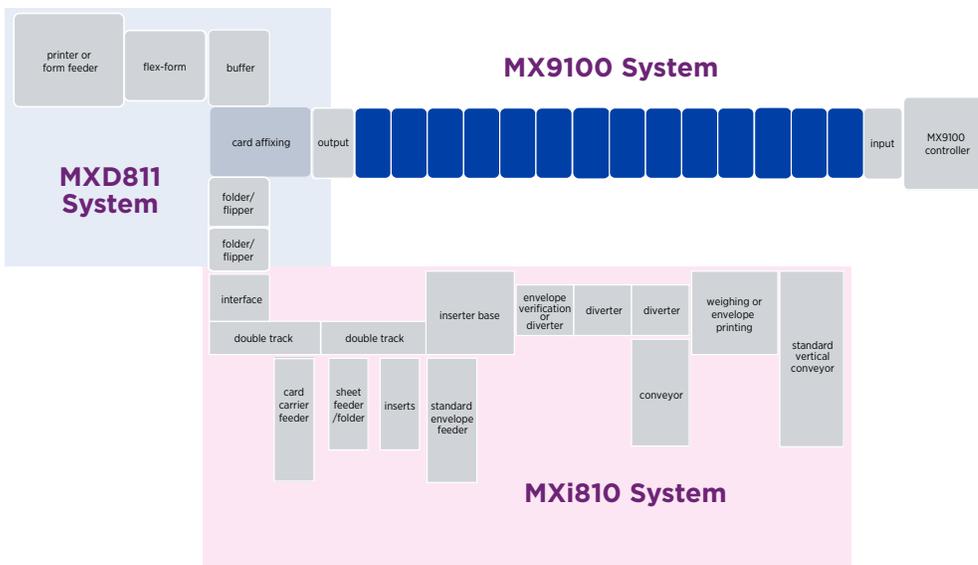
Note: The folder/flipper capability is only available with the High-Speed Folding Kit.

Learn more about the MXD Series at entrust.com