

# DATACARD MX SERIES SYSTEMS

## Technical Specifications

MX2100™

MXD210™

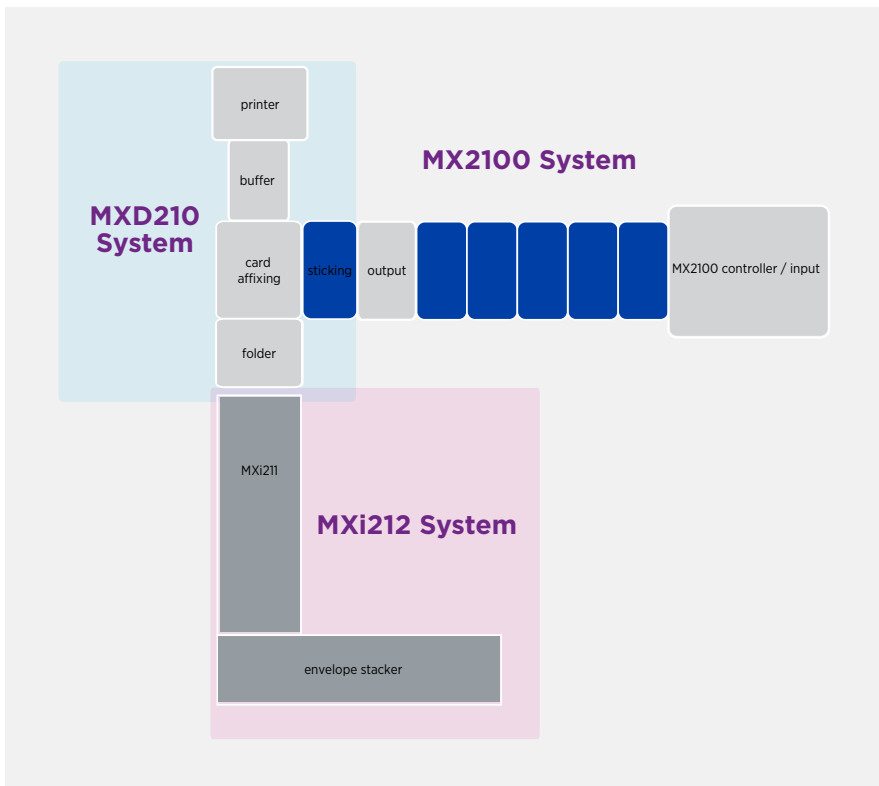
MXi212™

### MX2100 System Specifications

Rated Speed	Up to 1,200 CPH
Operating System	Microsoft® Windows® 10 IoT Enterprise 2016 LTSC
Template Management	Microsoft® Word 2019
Maximum Configuration	MX2100: Up to 9 personalization modules (not including Base System, Card Input, Card Cleaning, Vision Verification, Quality Assurance, Multi-card Buffer, and Card Flipper) MXD210: Up to 1 system per personalization system MXi212: Up to 1 per MXD210 System, up to 7 Insert Modules (up to 14 insert stations with tower feeder)
Cards Per Form	Up to 4 cards on middle and/or lower panels
Printer Ready Data	PCL (black and white), PDF
Electrical Requirements	MX2100: 230V, 50/60Hz, 15 Amps MXD210: 230V, 50/60Hz, 15 Amps MXi212: 230V, 50/60Hz, 15 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 in. (76.2 cm) to help provide adequate airflow. See module data sheets 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 (90.3gsm) See DATACARD Card Delivery Paper/Envelope Guidelines.

Note: MX2100 System modules cannot be used in the DATACARD® MX6100™ System and MX6100 System modules cannot be used in the MX2100 System.

## EVERYTHING YOU NEED — INLINE



Learn more about the unmatched selection of innovative card personalization capabilities of the MX Series at [entrust.com](http://entrust.com). Contact us today at [info@entrust.com](mailto:info@entrust.com)

#### CORPORATE HEADQUARTERS

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MX2100™  
MXD210™  
MXi212™

# DATACARD® MX Series System

Make an affordable move to the world of modularity

The DATACARD® MX Series solution provides the industry's most affordable high-volume card issuance system that offers true field modularity for mid-to-small sized card operations with growth in mind. Card issuers can take advantage of adding inline card delivery and envelope insertion to streamline operations and increase security to deliver completed mail-ready packages.



**ENTRUST**

SECURING A WORLD IN MOTION



Full suite  
of flat card  
personalization  
and delivery  
solutions



### **DATACARD® MX2100™ CARD ISSUANCE SYSTEM**

Our most affordable central issuance platform that offers true modularity. You can configure the system with the exact personalization capabilities you need, then add new modules as your card designs and card volumes change. Up to 1,200 CPH rated speed makes this an ideal system for mid-sized service bureaus or smaller in-house operations with aggressive growth plans.

### **ADVANCED TECHNOLOGY END-TO-END**

- System Controller
- Card Input
- Metal Card Input
- Card Cleaning
- Vision Verification Gen 2
- Magnetic Stripe Encoding
- OCR-B/Bar Code Scanner
- Smart Card Personalization
- Durable Graphics Printing
- Graphics Printing Gen 2
- Single-Step Color Printing
- Laser 325
- Basic Topcoat
- DATACARD® CardGard® UV-Curing Topcoat
- DATACARD® DuraGard® Laminate
- Secure Indent
- Embossing Indent Printing
- Secure Indent Printing
- Topping
- Label Affixing
- Card Flippers
- Multi-Card Buffer
- Quality Assurance
- Card Output
- Metal Card Output
- DATACARD® MXD210™ Card Delivery System
- DATACARD® MXi212™ Envelope Insertion System
- DATACARD® MXi610™ Card Delivery System

# Configure the right solution to meet your card issuance needs

**Powerful integrated software:** Controller Software provides a single interface for all interactions with the MX2100 System. This powerful software manages seamless access to the system, enables easy creation of card and job setups, and tracks production level audits to drive efficiency and help enable operational security.

**Unique technologies:** Supports proven card personalization technologies as well as advanced UV-curing and laser engraving in a compact, affordably priced footprint.

**True field modularity:** The MX2100 System is the industry's most affordable high-volume solution that offers true field modularity and strong investment protection. More than simple "configurability," it allows you to start with the capabilities you need today, then add capacity or new technologies — with truly field-installable modules — as your needs change. The MX2100 System is driven with a common software platform shared by the entire MX Series family.

**Smart card productivity:** An innovative smart card module — powered by Adaptive Issuance™ Chip Interface Software — offers flexibility and high-speed processing of contact, contactless, dual interface, or combi smart cards in a smaller system footprint. Scalable to meet growing demands.

**Advanced quality assurance:** Greatly reduce errors and waste by automatically verifying physical and electronic elements inline. 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.



MX2100 Card Issuance System

# Streamline card operations and increase security



**Do you know that the ID cards you issue are central to the lives of your citizens. So, isn't it time to elevate your card carriers and connect — in color?**

Transform your card carriers into stand-out communications that drive citizen satisfaction. The ConColor 7150R inkjet printer makes you to make the most of the golden real estate of your card carriers — without adding major costs or operational hassles. Give citizens peace of mind by highlighting the advanced security features that protect them. Deliver a sense of empowerment by demonstrating how their ID cards connect them with valuable services and enable the important transactions of daily life. Do it all in vibrant color and stunning print quality that reflects the sophistication of your ID card program.

Best of all, the ConColor 7150R inkjet printer is designed to maximize operational efficiency. Seamless integration with your Datacard® card delivery system ensures easy deployment and simple, low-cost operation, while on-demand printing enables you to simplify large and complex jobs to minimize computer print.

**Are you ready to connect in color?**

**For more information, contact your sales representative today.**

**Make a strong, emotional connection with each citizen.** From traveling the world to claiming your retirement benefits to your right to vote — this ID card empowers your life.

**Highlight advanced security features.** This ID card features some of the most sophisticated security technology ever created, protecting you, your identity and your life.



## Elevate Your ID Card Program

**Scalable Inkjet Printing**  
Uses premium inkjet printing to produce full-color print quality, reducing costs when compared with other supplies and more durable hardware. Keep costs low through inkjet printing also offers optimal color and add-on to assist with incremental cost increase.

**Cost Per Print Comparison**

Card Type	Color Inkjet	Black Inkjet	Form	Sticker	Barcode
Color Inkjet	0.0001	0.0001	0.0001	0.0001	0.0001
Black Inkjet	0.0001	0.0001	0.0001	0.0001	0.0001
Form	0.0001	0.0001	0.0001	0.0001	0.0001
Sticker	0.0001	0.0001	0.0001	0.0001	0.0001
Barcode	0.0001	0.0001	0.0001	0.0001	0.0001

**Create Eye-Catching Prices & Enticing Offers**  
Just a splash of color and near-edge-to-edge printing in stunning 300 dpi enables you to create customized designs that match the sophistication of your ID cards. On-demand printing gives you the flexibility to create unique messages instantly, from personalized messages to special program requirements.

**Use Card Carriers to Boost Citizen Satisfaction**  
Capitalize on your citizens' undivided attention and create valuable, targeted communications:  
 • Educate citizens on ID card functionality — uses in the physical and digital world  
 • Highlight advanced security features  
 • Promote new services and related programs  
 • Deliver required citizen education

**Proven Performance & Investment Protection**  
Supported by more than 40 years of Datacard experience and card delivery systems meets your real-world performance needs today and delivers the flexibility and scalability to protect your investment tomorrow.

**Seamless Integration**  
Designed for fast implementation, the ConColor 7150R inkjet printer has been fully tested by Entrust Datacard and seamlessly integrates with Datacard®'s "Dx500™", "MXD80™", "MXD60™", and "MXD™" Card Delivery Systems.

**FINANCIAL**

July 12, 2011

Mr. Jesse Bresson & Mrs. Marie Bresson  
555 Cedar Ave.  
Buffalo, NY

Dear Jesse and Marie,

Welcome to D Financial and our Customer Rewards Program! Attached you'll find your new D Financial credit cards.

With your new D Financial credit cards, you can obtain deep discounts from hundreds of retailers worldwide.

You can also use your credit cards to accumulate reward points for every purchase you make. For every \$1 in purchases, you will receive one reward point. Points can be redeemed for:

- Cash: Get \$75 for 15,000 points
- D Financial products & services, discounts and incentives
- Travel and recreation options like hotel, cruise and airfare - with no blackout dates
- Brand-name merchandise

As a first-time D Financial card member, you will receive double reward points for all purchases made during the next 12 months!

There is no annual fee for this credit card. To check your point totals, browse our online catalog of redeem points, please visit [www.DFinancialRewards.com](http://www.DFinancialRewards.com). You will need to register with a username and password.

Best regards,  
D Financial  
Customer Rewards Program

## With the MXD210 System, you can choose from the following modules and options:

- Card Affixing
- Form Buffer
- Form Folder
- Form Stacker
- Black & White Laser Printer
- Color Inkjet Printer



# Make an impact with inline card delivery

Take advantage of incredibly powerful ways to differentiate your brand and your card program. Create card carriers with customized 1:1 messages — use the space to encourage card activation, add promotional coupons, and cross-sell other products and services. Add variable data to personalize your mailings and make your messages stand out.

## **MXD210 CARD DELIVERY SYSTEM**

**Reduce production steps and increase throughput:** Discover the power of inline card delivery. Print personalized messages for cardholders, then affix cards with no manual intervention or slowing down productivity.

**Card flexibility:** Place up to four cards per form on either the middle and/or lower panels. This additional template and card placement flexibility accommodates a wider range of high-impact marketing campaigns.

**Increased production integrity:** Reduce human error and help ensure card-to-form integrity by leveraging the automated bar code verification process. Multiple verifications provide increased audit control and data integrity.

**Print-on-demand:** Leverage black and white printing inline, feeding pre-printed sheets into the system.

MXD210 Card Delivery System



# Improve efficiency and create custom card mailings

Bring the reliability and security you need to finished mailings by adding the inserting and folding technologies of the MXi212 System to your inline issuance process.

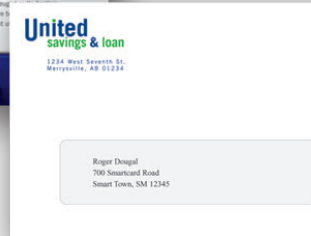
## MXi212 ENVELOPE INSERTION SYSTEM

**Increase productivity:** The MXi212 System offers inline insertion and envelope sealing. The system requires very minimal operator intervention.

**Enhance security:** Because the entire issuance process occurs inline, it substantially reduces the risk of lost or stolen cards.

**Mix and match:** Choose from the single-insert feeder, a dual-station tower feeder that loads two inserts and helps save space, or the integrity verification feeder that helps ensure the proper inserts are loaded, reducing errors.

**Maximize marketing impact:** Select unique inserts for individual cardholders during the same print job and data stream. Process more customized mailings per hour with fewer interruptions for job setup.



# Complete card-to-envelope solutions

Increase throughput and productivity by printing card carriers, affixing cards to carriers, and inserting them into envelopes completely inline.



**With the MXi212 System, you can choose from the following modules:**

- Standard Insert Feeder
- Integrity Insert Feeder
- Tower Insert Feeder
- Inserter Base and Envelope Feeder
- Envelope Stacker

MXi212 Envelope Insertion System