MX6100™
MXD610™
MXi610™

Datacard® MX Series System

World's best-selling high-volume, card-to-envelope solution

The Datacard® MX Series solution features the most versatile card personalization technologies for cardholder customization. This flagship solution combines security, reliability, and a variety of innovative and flexible technologies to deliver highly personalized cards, labels, and carriers all inline — creating a feature-rich card-to-envelope solution.

ENTRUST
SECURING A WORLD IN MOTION

Add versatile technologies for cardholder customization

DATACARD® MX6100™ CARD ISSUANCE SYSTEM

This flagship card issuance system — not just of our portfolio, but of the industry as a whole — combines more than a decade of impeccable reliability and security with a steady flow of new card personalization modules and inline/standalone card delivery options. It's the ideal system for any operation that takes metrics seriously — from cards-per-hour and cost-per-card to image quality and mailing accuracy. Up to 1,800 CPH rated speed keeps operations moving quickly.

INTELLIGENT ISSUANCE

- System Controller
- Card Input
- Metal Card Input
- Card Cleaning
- OCR-B/Bar Code Scanner
- Vision Verification Gen 2
- Magnetic Stripe Encoding
- Barrel Dual Interface Smart Card Personalization
- Durable Graphics Printing
- Graphics Printing Gen 2
- Datacard® Artista® VHD Retransfer Color Printing Gen 2
- Color Printing Gen 2
- Drop on Demand Printing Gen 2
- Duplex Drop on Demand Printing
- Laser 350
- Laser 450F
- Laser 450G
- Basic Topcoat
- Datacard® CardGard® UV-Curing Topcoat
- Datacard® DuraGard® Laminate
- Secure Indent
- Embossing/Indent Printing
- Topping
- Color Label Printing
- Label Affixing
- Card Flippers
- Single-Card Buffer
- Multi-Card Buffer
- Quality Assurance
- Card Output
- Metal Card Output
- Datacard® MXD610™ Card Delivery System
- Datacard® MXi610™ Envelope Insertion System

Flagship high-volume card issuance solutions

Powerful integrated software: Controller Software provides a single interface for all interactions with the MX6100 System. This powerful software manages seamless access to the system, enables creation of card and job setups, and tracks production level audits to empower card operation efficiency and security.

Innovative inline technologies: Provide stunning, high-quality, edge-to-edge printing on cards and labels or sleek flat-card designs with UV-curable printing technologies, all inline to help deliver unique and highly personalized eye-catching designs.

True field modularity: Provides a full suite of personalization technologies and your choice of card delivery options. The common MX Series Software Platform gives you freedom, flexibility, and investment protection as you continue to build your operation. Start with the capabilities you need, then expand the system as your program requirements change.

Smart card productivity: An innovative smart card module — powered by Adaptive Issuance™ Chip Interface Software — features a barrel dual interface design and choice of couplers to accommodate any combination of contact, contactless, dual interface, or combi smart cards.

Intelligent quality assurance: Advanced intelligence built into the MX6100 System enables fully automated, inline quality assurance for all personalization, including embossed characters along with correct matching of cards, carriers, and inserts.

Service and support: The MX Series Systems are 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.

MX6100 Card Issuance System

Flexible, feature-rich card-to-envelope solutions

With the MXD610 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
- Card Carrier Stock and Template Verification
- Card Carrier Sorter
- Form Stacker

Make a big impact with cardholders

With larger card carriers and bold color printing, you now have more opportunities for customized 1:1 marketing that can help you build stronger relationships with your cardholders. Use the extra space for personalized marketing messages that encourage card activation and usage as well as images that reflect the cardholder's lifestyle and interests. Promote coupons, special offers, advertising, and cross-selling opportunities to grow revenue.

MXD610 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.

On-demand color printing: High-quality printing helps reduce pre-printed forms. Crisp, full-color, near-edge 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 & efficiency: Card carrier sorting provides the flexibility to remove inefficiencies from the inline process and/or reorganize finished card carriers to maximize production.

Support market trends: Meet the growing vertical card trend without limiting job sizes based on card orientation. Dynamically place cards on carriers horizontally and vertically to meet customer requests.

MXD610 Card Delivery System

Comprehensive 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 and help build lasting relationships with your customers.

MXi610 ENVELOPE INSERTION SYSTEM

Maximize uptime and efficiency: To drive continuous inline advantages, the MXi610 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.

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

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.

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 gift or reward cards to be bundled in one package.

Complete card-to-envelope solutions

MXi610 Envelope Insertion System

With the MXi610 System, you can choose from the following modules:

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

DATACARD MX SERIES SYSTEMS

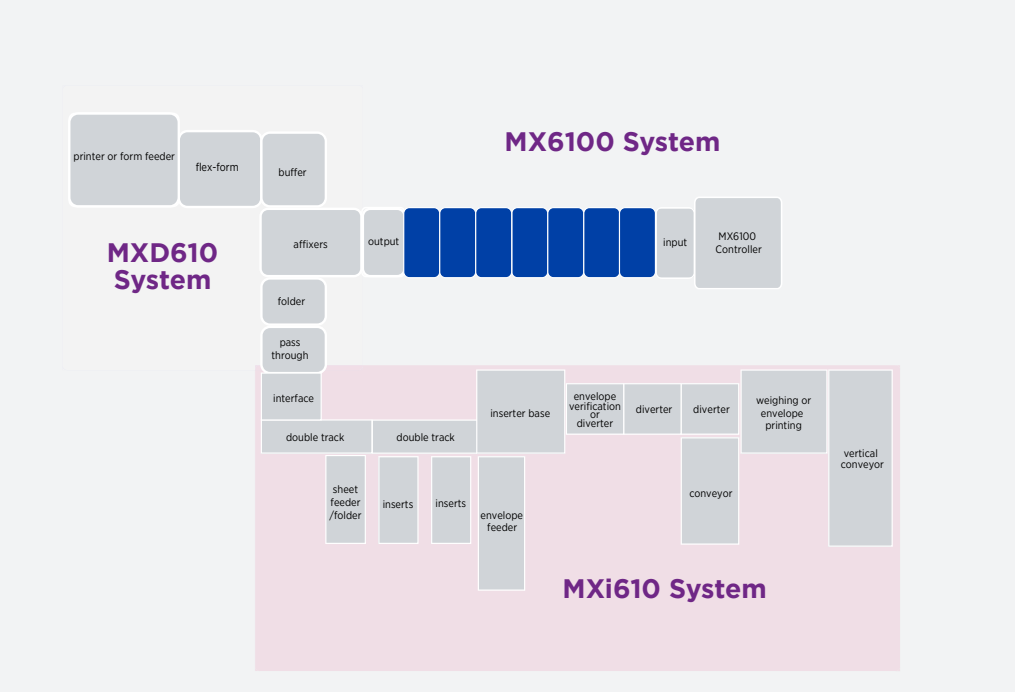
Technical Specifications

MX6100™
MXD610™
MXi610™

MX6100, MXD610, and MXi610 System Specifications	
Rated Speed	Up to 1,800 CPH
Operating System	Microsoft® Windows® 10 IoT Enterprise 2016 LTSB
Template Management	Microsoft® Word 2019
Maximum Configuration	MX6100: Up to 28 personalization modules MXD610: Up to 1 system per personalization system MXi610: Up to 1 system per MXD610 System
Cards Per Form	Up to 4 cards on middle and/or lower panels. Up to 5 cards are allowed with the Vertical Card Placement Option.
Printer Ready Data	PCL (black and white), PDF
Electrical Requirements	MX6100: 230V, 50/60Hz, 15 Amps MXD610: 230V, 50/60Hz, 30 Amps MXi610: 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 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 (90.3 gsm) See Datacard Card Delivery Paper/Envelope Guidelines.

Note: MX6100 System modules cannot be used in the Datacard® MX2100™ Card Issuance System and MX2100 System modules cannot be used in the MX6100 System.

FLEXIBLE END-TO-END ISSUANCE



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