INTELLIGENT ISSUANCE
Choose the right modules for your needs with the MX6100 System — a flexible, feature-rich card-to-envelope production system.

- System Controller
- 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® Arista® VHD Retransfer Color Printing Gen 2
- Color Printing Gen 2
- Drop on Demand Printing
- Laser 350
- 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
- Datacard® MXD610™ Card Delivery System
- Datacard® MXi610™ Envelope Insertion System

The Flagship: World’s Best-Selling High-Volume Card Issuance System

The Datacard® MX6100™ Card Issuance System is the flagship card issuance system — not just of our portfolio, but of the industry as a whole. It combines 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.

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 Datacard® 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 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.
MAKE A BIG IMPACT

With larger card carriers and bold color printing, you now have more opportunity 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 preprinted 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.

- **Operational Flexibility:** Card carrier sorting provides the flexibility to remove smaller, inefficient work from the mail packaging process without stopping the system. Sorting and segmenting card carriers prior to an automated inserter can allow for improved batch size efficiency.

- **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.

With the MXD610 System, you can choose from the following modules and options:

- Card Affixing
- Vertical Card Placement
- Form Buffer
- Form Folders
- Flex-form
- Preprinted Form Feeder
- Black & White Printer
- Color Printer
- Card Carrier Stock & Template Verification
- Form Stacker
- Card Carrier Sorter
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 to help build lasting relationships with your customers.

MXi610 Envelope Insertion System

• Maximize Uptime and Efficiency: To drive continuous inline advantages, the MXi810 System offers insertion and sealing and supports postage metering. With built-in automation throughout the process, you can save time with minimal operator intervention and rapid job change-over.

• Flexible Segmentation: 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.

• Ease of Use: Operators can easily switch between jobs with minimal manual intervention and easy set-up.

• 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 rewards cards to be bundled in one package.

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

• Insert Feeder
• Sheet Feeder/Folder
• Accumulator/Folder
• Inserter Base
• Verification
• Standard Divert
• Envelope Printing/ Franking
• High/Standard Capacity Vertical Conveyor Options
• Card Carrier Feeder
### MX6100, MXD610 and MXi610 Key System Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Speed</td>
<td>Up to 1,800 CPH</td>
</tr>
<tr>
<td>Operating System</td>
<td>Microsoft® Windows® 10 IoT Enterprise 2016 LTSB</td>
</tr>
<tr>
<td>Template Management</td>
<td>Microsoft® Word 2013</td>
</tr>
<tr>
<td>Maximum Configuration</td>
<td>MX600: Up to 28 personalization modules</td>
</tr>
<tr>
<td></td>
<td>MXD610: Up to 1 system per personalization system</td>
</tr>
<tr>
<td></td>
<td>MX610: Up to 1 system per MX610 System</td>
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<tr>
<td>Cards Per Form</td>
<td>Up to 4 cards on middle and/or lower panels. Up to 5 cards are allowed with</td>
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<tr>
<td></td>
<td>the Vertical Card Placement Option.</td>
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<tr>
<td>Printer Ready Data</td>
<td>PCL (black and white), PDF</td>
</tr>
<tr>
<td>Electrical Requirements</td>
<td>MX600: 230V, 50/60Hz, 15 Amps</td>
</tr>
<tr>
<td></td>
<td>MXD610: 230V, 50/60Hz, 30 Amps</td>
</tr>
<tr>
<td></td>
<td>MX610: 230V, 50/60Hz, 30 Amps</td>
</tr>
<tr>
<td>Operating Requirements</td>
<td>Room temperature: 65° to 80° F (18° to 27° C); Humidity: 35% to 85% (non-</td>
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<tr>
<td></td>
<td>condensing) Recommend service area around system be at least 36° (76.2 cm)</td>
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<tr>
<td></td>
<td>to help provide adequate airflow. See module datasheets for specific information.</td>
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<tr>
<td>Storage Requirements</td>
<td>Room temperature: 50° to 130° F (10° to 54° C); Humidity: 0% to 85% (non-</td>
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<tr>
<td></td>
<td>condensing)</td>
</tr>
<tr>
<td>Agency Approvals</td>
<td>FCC, UL, cUL, CE and RoHS Compliant</td>
</tr>
<tr>
<td>Card Types Supported</td>
<td>ISO/IEC 7810 ID-1 Size; 30 mil (+/- 10%)</td>
</tr>
<tr>
<td>Card Materials Supported</td>
<td>Most card materials can be processed, including PVC, composite, polycarbonate,</td>
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<tr>
<td></td>
<td>ABS, PET and PETG. Limitations may exist for each personalization or verification technology.</td>
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<tr>
<td>Paper Types Supported</td>
<td>20-24 lb bond paper (90.3 gsm)</td>
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<td></td>
<td>See Datacard Card Delivery Paper/Envelope Guidelines.</td>
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</tbody>
</table>

Note: MX600 System modules cannot be used in the Datacard® MX200™ Card Issuance System and MX200 System modules cannot be used in the MX6100 System.

### FLEXIBLE END-TO-END ISSUANCE

![Diagram of Datacard MX6100 Card Issuance System]