

DATACARD® MX2100™ CARD ISSUANCE SYSTEM



ADVANCED TECHNOLOGY MADE AFFORDABLE

True field modularity gives you real choices. Choose from the following modules to configure your system.

- System controller
- Card input
- Card cleaning
- Vision verification
- Magnetic stripe encoding
- OCR-B/Bar code scanner
- Smart card personalization
- Graphics printing
- Single-step color printing
- Basic topcoat
- Datacard® CardGard™ UV-curing topcoat module
- Embossing
- Topping
- Label affixing
- Card flippers
- Multi-card buffer
- Quality assurance
- Card output
- Datacard® MXD™ or MXD™ Lite card delivery systems
- Datacard® MXi™ envelope insertion system

Economical high-volume issuance

The Datacard® MX2100™ card issuance system is a highly economical and forward-thinking choice for card issuers who want affordability and the latest high-volume technology. The system is ideal for issuers that want true field modularity at an economical price.

- **Exceptional Integration of Speed and Economy.** A truly economical system for small job processing or longer runs, the system offers up to 1,200 personalized cards per hour — and the industry's most advanced high-volume technologies in an affordable system.
- **Minimized Risk with 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. A common software platform also makes it easy to scale up to higher volume MX Series systems.
- **Smart Card Productivity.** An innovative smart card module, powered by Datacard® Syntera® Hosted Smart Card software, offers flexibility and high-speed processing of contact, contactless, dual interface or combi smart cards in a smaller system footprint.
- **Quality Assurance Breakthroughs.** New automated inline quality assurance greatly reduces 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. Savings are magnified when issuing smart cards.
- **A complete card-to-envelope solution.** The MX2100 system seamlessly integrates with the Datacard® MXD™ or MXD™ Lite card delivery systems and the Datacard® MXi™ envelope insertion system to create a complete card-to-envelope solution. In one inline process, you can print forms, affix cards and create customized marketing materials.

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Module Specifications

MX2100 Module	Current Draw	Heat Output	Weight
System Controller	1.19 Amps at 230V	903 BTUs per hour	300.0 lbs (136.1 kg)
Card Input	Included in System Controller	Included in System Controller	Included in System Controller
Card Cleaning	0.58 Amps at 230V	439 BTUs per hour	132.0 lbs (59.9 kg)
Vision Verification	0.47 Amps at 230V	365 BTUs per hour	105.0 lbs (47.63 kg)
Magnetic Stripe Encoding	0.39 Amps at 230V	300 BTUs per hour	85.0 lbs (38.6 kg)
OCR-B/Bar Code Scanner	0.46 Amps at 230V	348 BTUs per hour	93.0 lbs (42.2 kg)
Smart Card Personalization	0.74 Amps at 230V (11 stations)	566 BTUs per hour (11 stations)	111.0 lbs (50.3 kg) plus 1.5 lbs (0.68 kg) per programming station
Graphics Printing	0.60 Amps at 230V	437 BTUs per hour	116.0 lbs (52.6 kg)
Single-Step Color Printing	0.64 Amps at 230V	492 BTUs per hour	116.0 lbs (52.6 kg)
Basic Topcoat	1.79 Amps at 230V	1,390 BTUs per hour	197.0 lbs (89.4 kg)
CardGard™ UV-Curing Topcoat Module	2.24 Amps at 230V	6,790 BTUs per hour	340.0 lbs (154.2 kg)
Embossing	0.80 Amps at 230V for embossing 0.80 Amps at 230V for indent printing	606 BTUs per hour for embossing 606 BTUs per hour for indent printing	123.0 lbs (55.8 kg)
Topping	0.76 Amps at 230V	556 BTUs per hour	101.0 lbs (45.8 kg)
Label Affixing	0.54 Amps at 230V	425 BTUs per hour	100.0 (45.4 kg)
Card Flipper	0.46 Amps at 230V	348 BTUs per hour	93.0 lbs (42.2 kg)
Multi-Card Buffer	0.39 Amps at 230V	304 BTUs per hour	90.0 lbs (40.8 kg)
Quality Assurance (vision & magnetic stripe only)	0.82 Amps at 230V	620 BTUs per hour	180.0 lbs (81.6 kg)
Quality Assurance (vision, magnetic stripe and smart card rack)	1.17 Amps at 230V (When configured with 11 stations)	882 BTUs per hour (When configured with 11 stations)	201.0 lbs (91.1 kg) Plus 1.5 lbs (0.68 kg) per smart card coupler
Card Output	0.43 Amps at 230V	307 BTUs per hour	100.0 lbs (45.4 kg)
	Note: MX2100 system modules cannot be used in the Datacard® MX6100™ card issuance system and MX6100 system modules cannot be used in the MX2100 system.		

Key System Specifications

Rated Speed	Up to 1,200 CPH
Operating System	Microsoft® Windows® 7 Ultimate operating system
Maximum Configuration	9 personalization modules (not including card input, vision verification, card output, system controller, card cleaning, multi-card buffer, quality assurance and card flipper)
Card Types Supported	ISO/IEC 7810 ID-1 Size; 30 mil (±10%)
System Height	To top of module 50.1 in. (127.3 cm)
System Depth	33.8 in. (85.9 cm)
Electrical Requirements	230V, 50/60Hz, 15 Amps
Operating Requirements	Room temperature: 65° to 80° F (18° to 27° C); Humidity: 20% to 85% (non-condensing)
Storage Requirements	Room temperature: -50° to 130° F (-46° to 54° C); Humidity: 0% to 100% (non-condensing)
Agency Approvals	FCC, UL, cUL, CE and RoHS Compliant.
Card Materials Supported	All card materials can be processed, including PVC, composite, polycarbonate, ABS, PET and PETG. Limitations may exist for each personalization technology.

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